12pt
20pt 20pt

Table 1. Energy levels (in Ryd) and mixing coefficients of Fe XVI.

Index	Configuration	Level	NIST	GRASP[a]	GRASP[b]	FAC[c]	Mixing coefficients[d]
1	$2p^6 3s$	$^2S_{1/2}$	0.00000	0.00000	0.00000	0.00000	0.999(1)
2	$2p^6 3p$	$^2P^o_{1/2}$	2.52598	2.56393	2.56618	2.54757	0.999(2)
3	$2p^6 3p$	$^2P^o_{3/2}$	2.71688	2.75844	2.75486	2.73706	0.999(3)
4	$2p^6 3d$	$^2D_{3/2}$	6.15562	6.20499	6.19591	6.16949	0.999(4)
5	$2p^6 3d$	$^2D_{5/2}$	6.18209	6.23332	6.22081	6.19510	0.999(5)
6	$2p^5 3s^2$	$^2P^o_{3/2}$	52.60745	52.36353	52.31794	52.41746	0.985(6)
7	$2p^5 3s^2$	$^2P^o_{1/2}$	53.51871	53.30895	53.24028	53.33762	0.985(7)
8	$2p^5 3s3p$	$^4S_{3/2}$		54.13058	54.08374	54.17709	-0.886(8), 0.431(14)
9	$2p^5 3s3p$	$^4D_{5/2}$	54.51199	54.37708	54.32940	54.42538	0.828(9), -0.416(13)
10	$2p^5 3s3p$	$^4D_{7/2}$		54.43349	54.38145	54.47626	0.998(10)
11	$2p^5 3s(^1P)3p$	$^2D_{3/2}$	54.79442	54.43554	54.38938	54.48851	0.676(17), 0.536(11)
12	$2p^5 3s(^1P)3p$	$^2P_{1/2}$	54.68514	54.56418	54.52045	54.61812	0.582(12), -0.541(16), 0.478(18)
13	$2p^5 3s3p$	$^4P_{5/2}$		54.67382	54.62489	54.72388	0.810(13), 0.481(21)
14	$2p^5 3s3p$	$^4P_{3/2}$	55.55084	54.67609	54.62869	54.72922	0.543(11), 0.507(14), 0.431(22)
15	$2p^5 3s(^1P)3p$	$^2S_{1/2}$	55.05876	54.89407	54.84442	54.93897	0.646(15), -0.537(18)
16	$2p^5 3s3p$	$^4D_{1/2}$	55.35947	55.28057	55.21306	55.30909	0.797(16), 0.453(12)
17	$2p^5 3s3p$	$^4D_{3/2}$	55.48705	55.37720	55.30739	55.40431	0.696(17), -0.430(11)
18	$2p^5 3s3p$	$^4P_{1/2}$	55.48705	55.39547	55.33684	55.42765	0.648(18), 0.545(15)
19	$2p^5 3s(^3P)3p$	$^2D_{5/2}$	54.79442	55.49867	55.44467	55.52949	-0.908(19)
20	$2p^5 3s(^3P)3p$	$^2P_{3/2}$	55.85156	55.50353	55.43583	55.52862	0.663(14), -0.521(20)
21	$2p^5 3s(^1P)3p$	$^2D_{5/2}$	55.67842	55.57474	55.50469	55.60006	-0.788(21), 0.464(9),
22	$2p^5 3s(^1P)3p$	$^2P_{3/2}$		55.63602	55.58697	55.67262	-0.642(22), 0.561(20), -0.418(24)
23	$2p^5 3s(^3P)3p$	$^2P_{1/2}$		56.31892	56.25643	56.34105	0.737(23), -0.420(12), -0.419(15)
24	$2p^5 3s(^3P)3p$	$^2D_{3/2}$	56.65347	56.48207	56.40948	56.48980	0.761(24), -0.412(11)
25	$2p^5 3s(^3P)3p$	$^2S_{1/2}$	57.10911	57.04715	56.99370	57.07898	0.894(25)
26	$2p^5 3p^2$	$^4P^o_{3/2}$		57.11374	57.06488	57.15728	-0.579(26), 0.471(30)
27	$2p^5 3p^2(^1D)$	$^2P^o_{1/2}$		57.11721	57.06704	57.16091	0.708(27), -0.447(63)
28	$2p^5 3p^2$	$^4P^o_{5/2}$		57.18875	57.13944	57.22878	0.861(28), -0.457(35)
29	$2p^5 3p^2$	$^2F^o_{7/2}$		57.20144	57.14806	57.24572	-0.828(29)
30	$2p^5 3p^2(^1D)$	$^2P^o_{3/2}$		57.27558	57.22768	57.32069	-0.517(26), -0.415(30)
31	$2p^5 3p^2(^1D)$	$^2D^o_{5/2}$		57.40167	57.35118	57.44791	-0.624(31), 0.442(42)
32	$2p^5 3p^2(^3P)$	$^2D^o_{3/2}$		57.43847	57.39127	57.48571	0.783(32), 0.420(43)
33	$2p^5 3p^2$	$^4P^o_{1/2}$		57.45866	57.40547	57.49659	-0.765(33), 0.490(45)
34	$2p^5 3p^2$	$^4D^o_{7/2}$		57.47691	57.42105	57.51299	0.944(34)
35	$2p^5 3p^2$	$^4D^o_{5/2}$		57.49089	57.43729	57.53061	0.591(51), 0.555(35), 0.404(28)
36	$2p^5 3p^2$	$^4D^o_{1/2}$		57.93073	57.87458	57.96637	0.788(36), -0.440(45)
37	$2p^5 3p^2(^1D)$	$^2D^o_{3/2}$		57.97229	57.91773	58.01218	0.617(48), -0.465(37)
38	$2p^5 3s3d$	$^4P^o_{1/2}$		57.98889	57.93888	58.03972	-0.979(38)
39	$2p^5 3s3d$	$^4P^o_{3/2}$		58.05947	58.00538	58.10584	0.938(39)
40	$2p^5 3s3d$	$^4F^o_{9/2}$		58.15573	58.09555	58.19396	1.000(40)
41	$2p^5 3s3d$	$^4P^o_{5/2}$	58.25730	58.17918	58.11794	58.22565	0.799(41), -0.449(59)
42	$2p^5 3p^2$	$^2F^o_{5/2}$		58.19900	58.12751	58.21310	-0.641(42), -0.442(31)
43	$2p^5 3p^2$	$^4D^o_{3/2}$		58.21215	58.14156	58.23244	0.655(43), -0.410(37)
44	$2p^5 3s3d$	$^4F^o_{7/2}$		58.21941	58.16102	58.25588	0.885(44)
45	$2p^5 3p^2$	$^2S^o_{1/2}$		58.28129	58.21189	58.30146	0.712(45), 0.538(33), 0.447(36)

Table 1. Energy levels (in Ryd) and mixing coefficients of Fe XVI.

Index	Configuration	Level	NIST	GRASP[a]	GRASP[b]	FAC[c]	Mixing coefficients[d]
46	$2p^5 3s3d$	$^4F^o_{5/2}$	58.37577	58.30062	58.24386	58.33759	0.747(46), 0.431(50)
47	$2p^5 3s(^1P)3d$	$^2D^o_{3/2}$		58.40180	58.34352	58.43276	-0.576(58), 0.444(47)
48	$2p^5 3p^2$	$^4S^o_{3/2}$		58.43197	58.36742	58.45592	0.479(48), 0.443(26), 0.437(52)
49	$2p^5 3s3d$	$^4D^o_{7/2}$	58.52157	58.45282	58.39564	58.48497	0.815(49), 0.497(61)
50	$2p^5 3s(^1P)3d$	$^2F^o_{5/2}$	58.54891	58.48128	58.42242	58.51233	0.570(50), 0.482(59)
51	$2p^5 3p^2(^3P)$	$^2D^o_{5/2}$		58.51272	58.43827	58.53265	-0.673(51), 0.506(35)
52	$2p^5 3p^2(^1S)$	$^2P^o_{3/2}$		58.51295	58.45493	58.54002	0.694(52)
53	$2p^5 3s(^1P)3d$	$^2P^o_{1/2}$	58.53068	58.53541	58.48029	58.57178	0.622(53), -0.589(55)
54	$2p^5 3s(^1P)3d$	$^2P^o_{3/2}$	58.64915	58.71984	58.66234	58.74794	0.550(54), -0.548(56)
55	$2p^5 3s3d$	$^4D^o_{1/2}$		58.82057	58.76090	58.83807	0.646(55), 0.541(63), -0.420(67)
56	$2p^5 3s3d$	$^4D^o_{3/2}$	58.98632	59.10868	59.04324	59.12486	-0.521(56), -0.405(65)
57	$2p^5 3s(^3P)3d$	$^2F^o_{7/2}$	58.73116	59.19215	59.13497	59.21341	0.772(57), 0.489(29), -0.402(61)
58	$2p^5 3s3d$	$^4F^o_{3/2}$	59.25058	59.21520	59.14077	59.23393	0.700(58), 0.568(47)
59	$2p^5 3s3d$	$^4D^o_{5/2}$	59.25058	59.23119	59.15303	59.24131	0.654(59), 0.535(46)
60	$2p^5 3s(^3P)3d$	$^2D^o_{5/2}$	58.90430	59.27727	59.20474	59.28913	-0.653(60)
61	$2p^5 3s(^1P)3d$	$^2F^o_{7/2}$	59.38727	59.33240	59.25137	59.33982	-0.666(61), 0.492(49), 0.461(44)
62	$2p^5 3s(^1P)3d$	$^2D^o_{5/2}$	59.37816	59.40018	59.34082	59.42136	0.677(62)
63	$2p^5 3p^2(^3P)$	$^2P^o_{1/2}$		59.40747	59.34593	59.43010	0.527(53), -0.482(27)
64	$2p^5 3p^2(^1S)$	$^2P^o_{1/2}$		59.54384	59.47971	59.55638	0.881(64),
65	$2p^5 3p^2(^3P)$	$^2P^o_{3/2}$		59.61159	59.55298	59.63031	0.601(65), 0.462(30)
66	$2p^5 3s(^3P)3d$	$^2D^o_{3/2}$		59.75825	59.68822	59.75204	-0.506(76), 0.506(66), -0.493(54)
67	$2p^5 3s(^3P)3d$	$^2P^o_{1/2}$	59.90670	60.02441	59.95160	60.00957	-0.802(67), -0.429(53)
68	$2p^5 3p3d(^3S)$	$^4D_{1/2}$		60.09502	60.04611	60.14409	-0.730(68), -0.569(120)
69	$2p^5 3p3d(^3S)$	$^4D_{3/2}$		60.17116	60.11829	60.21617	0.740(69), 0.517(119)
70	$2p^5 3s(^3P)3d$	$^2F^o_{5/2}$	59.74267	60.20698	60.12842	60.20253	0.619(70), 0.407(60)
71	$2p^5 3p3d(^3S)$	$^4D_{5/2}$		60.29006	60.23238	60.32960	0.759(71), 0.410(99)
72	$2p^5 3p3d(^3D)$	$^4G_{7/2}$		60.41131	60.35233	60.44618	0.616(72), 0.429(74), 0.403(82)
73	$2p^5 3p3d$	$^4G_{9/2}$		60.43500	60.37302	60.47084	0.884(73)
74	$2p^5 3p3d(^3S)$	$^4D_{7/2}$		60.44591	60.38502	60.50865	-0.681(74)
75	$2p^5 3p3d$	$^4G_{11/2}$		60.47640	60.41011	60.47567	1.000(75)
76	$2p^5 3s(^3P)3d$	$^2P^o_{3/2}$	60.09806	60.47817	60.40230	60.47991	0.667(76), 0.408(66), 0.402(30)
77	$2p^5 3p3d(^3D)$	$^2D_{5/2}$		60.50269	60.44777	60.53828	-0.484(113)
78	$2p^5 3p3d(^3D)$	$^2D_{3/2}$		60.54189	60.48675	60.58196	-0.451(112), 0.428(78)
79	$2p^5 3p3d(^3D)$	$^2F_{7/2}$		60.60902	60.54820	60.64577	0.680(79), 0.473(108)
80	$2p^5 3p3d(^1P)$	$^2F_{5/2}$		60.61475	60.55605	60.64870	-0.559(101), 0.426(80)
81	$2p^5 3p3d(^1P)$	$^2P_{1/2}$		60.65721	60.60183	60.70206	-0.540(97), 0.509(81), 0.480(126)
82	$2p^5 3p3d(^1D)$	$^2G_{7/2}$		60.72887	60.67077	60.76248	0.531(82)
83	$2p^5 3p3d(^3D)$	$^4P_{1/2}$		60.78928	60.73533	60.83237	0.762(83), 0.531(115)
84	$2p^5 3p3d(^3D)$	$^4P_{3/2}$		60.82790	60.77171	60.86720	0.744(84), -0.550(86)
85	$2p^5 3p3d(^3P)$	$^4F_{9/2}$		60.82979	60.76830	60.85897	0.615(85), 0.525(109), 0.500(91)
86	$2p^5 3p3d(^3D)$	$^4S_{3/2}$		60.87238	60.81615	60.90864	0.609(86)
87	$2p^5 3p3d(^3P)$	$^4D_{7/2}$		60.88786	60.82874	60.92297	0.693(87), -0.464(94)
88	$2p^5 3p3d(^3D)$	$^4F_{5/2}$		60.91229	60.85344	60.94462	-0.451(89), 0.406(114), 0.406(99)
89	$2p^5 3p3d(^3D)$	$^4P_{5/2}$		60.91779	60.85914	60.94992	0.742(89)
90	$2p^5 3p3d(^3D)$	$^4F_{3/2}$		60.97310	60.91494	60.99975	-0.561(90)

Table 1. Energy levels (in Ryd) and mixing coefficients of Fe XVI.

Index	Configuration	Level	NIST	GRASP[a]	GRASP[b]	FAC[c]	Mixing coefficients[d]
91	$2p^5 3p3d(^3D)$	$^4F_{9/2}$		61.01944	60.95573	61.04967	0.795(91), -0.591(85)
92	$2p^5 3p3d(^1P)$	$^2P_{3/2}$		61.02141	60.96448	61.05502	0.443(92)
93	$2p^5 3p3d(^1P)$	$^2D_{5/2}$		61.07479	61.01801	61.10393	-0.506(114), 0.433(93),
94	$2p^5 3p3d(^3D)$	$^4F_{7/2}$		61.09930	61.03764	61.12961	0.513(94), -0.511(106), 0.429(121)
95	$2p^5 3p3d(^1D)$	$^2F_{5/2}$		61.12272	61.06369	61.15376	0.610(95), -0.458(102)
96	$2p^5 3p3d(^3D)$	$^4D_{7/2}$		61.14633	61.08498	61.16957	0.826(96)
97	$2p^5 3p3d(^3P)$	$^2P_{1/2}$		61.16838	61.11025	61.19611	0.525(68), -0.486(120)
98	$2p^5 3p3d(^1D)$	$^2D_{3/2}$		61.23950	61.18234	61.26807	0.595(98), -0.507(119)
99	$2p^5 3p3d(^3P)$	$^4D_{5/2}$		61.26175	61.20205	61.28725	-0.509(99), 0.455(122)
100	$2p^5 3p3d(^1P)$	$^2D_{3/2}$		61.31016	61.24893	61.33183	-0.544(112), 0.484(100)
101	$2p^5 3p3d(^3D)$	$^4G_{5/2}$		61.32200	61.24585	61.33821	0.606(101), 0.502(107), 0.410(80)
102	$2p^5 3p3d(^3P)$	$^4F_{5/2}$		61.41068	61.34445	61.43000	0.451(80)
103	$2p^5 3p3d(^3D)$	$^4D_{1/2}$		61.41192	61.35321	61.42990	-0.573(103), 0.501(126)
104	$2p^5 3p3d(^3P)$	$^4F_{3/2}$		61.47289	61.40208	61.49645	0.461(104), 0.411(100)
105	$2p^5 3p3d(^1D)$	$^2S_{1/2}$		61.48154	61.42443	61.50666	-0.646(105), -0.628(115)
106	$2p^5 3p3d(^3P)$	$^4F_{7/2}$		61.50415	61.42221	61.51326	0.605(72)
107	$2p^5 3p3d(^3D)$	$^2F_{5/2}$		61.55458	61.47347	61.56445	-0.490(107), 0.466(125)
108	$2p^5 3p3d(^1P)$	$^2F_{7/2}$		61.64063	61.56056	61.64670	0.499(87), -0.418(108), 0.414(106)
109	$2p^5 3p3d(^1D)$	$^2G_{9/2}$		61.66765	61.58175	61.66985	-0.662(109), 0.457(85), 0.445(73)
110	$2p^5 3p3d(^3D)$	$^4D_{3/2}$		61.68685	61.61493	61.69331	0.604(110)
111	$2p^5 3p3d(^3D)$	$^2G_{9/2}$		61.75682	61.69334	61.77370	0.919(111)
112	$2p^5 3p3d(^3S)$	$^2D_{3/2}$		61.79240	61.72111	61.81103	0.588(90), -0.423(104)
113	$2p^5 3p3d(^3S)$	$^2D_{5/2}$		61.86910	61.80037	61.88206	0.494(113), 0.439(118)
114	$2p^5 3p3d(^3D)$	$^4D_{5/2}$		61.94324	61.86516	61.94608	0.469(114), 0.439(93)
115	$2p^5 3p3d(^3P)$	$^4P_{1/2}$		61.95561	61.88979	61.96959	0.469(132), -0.466(83), 0.462(115)
116	$2p^5 3p3d(^3P)$	$^2F_{7/2}$		61.96033	61.89980	61.97643	-0.520(129), 0.496(116), 0.444(79)
117	$2p^5 3p3d(^3P)$	$^4P_{3/2}$		61.99275	61.91457	61.99405	0.470(84), 0.456(123)
118	$2p^5 3p3d(^3P)$	$^4P_{5/2}$		62.01950	61.94888	62.02740	0.494(118), -0.423(93)
119	$2p^5 3p3d(^3P)$	$^4D_{3/2}$		62.05674	61.97802	62.06391	0.467(119)
120	$2p^5 3p3d(^3P)$	$^4D_{1/2}$		62.05790	61.97998	62.06754	-0.610(120), -0.444(81)
121	$2p^5 3p3d(^1D)$	$^2F_{7/2}$		62.07990	61.99687	62.08230	-0.559(121)
122	$2p^5 3p3d(^1D)$	$^2D_{5/2}$		62.09892	62.02163	62.10258	0.499(130)
123	$2p^5 3p3d(^3P)$	$^2P_{3/2}$		62.11304	62.05018	62.11879	-0.492(123), -0.425(78), -0.418(127)
124	$2p^5 3p3d(^3P)$	$^2D_{3/2}$		62.34616	62.27680	62.32272	0.589(124), 0.457(78)
125	$2p^5 3p3d(^3P)$	$^2F_{5/2}$		62.35587	62.28342	62.34591	-0.485(125), 0.446(122)
126	$2p^5 3p3d(^1D)$	$^2P_{1/2}$		62.39653	62.31859	62.38120	-0.549(97), -0.463(126)
127	$2p^5 3p3d(^1D)$	$^2P_{3/2}$		62.58476	62.50435	62.55824	0.492(127), 0.467(131)
128	$2p^5 3p3d(^3D)$	$^2P_{1/2}$		62.78038	62.70084	62.74799	-0.577(128), 0.520(132)
129	$2p^5 3p3d(^3D)$	$^2G_{7/2}$		62.80742	62.72376	62.79937	0.656(129), 0.482(116)
130	$2p^5 3p3d(^3P)$	$^2D_{5/2}$		62.90893	62.83399	62.88355	0.533(130), 0.479(134)
131	$2p^5 3p3d(^3D)$	$^2P_{3/2}$		62.93802	62.86270	62.92609	0.526(124), -0.494(131)
132	$2p^5 3p3d(^3D)$	$^2S_{1/2}$		63.11751	63.03638	63.09278	0.630(132), 0.574(128)
133	$2p^5 3p3d(^1S)$	$^2D_{3/2}$		63.27350	63.21048	63.29593	0.875(133)
134	$2p^5 3p3d(^1S)$	$^2D_{5/2}$		63.34064	63.27358	63.37006	0.850(134)

NIST: `http://physics.nist.gov/PhysRefData`
a: Energies *without* Breit and QED corrections
b: Energies *with* Breit and QED corrections
c: Energies from the Flexible Atomic Code of Gu (2003)
d: Mixing coefficient of the level (in bracket)

Table 4. Transition wavelengths (λ_{ij} in $\AA$), radiative rates (A_{ji} in s^{-1}), and oscillator strengths (f_{ij}, dimensionless) for some ($f \geq 10^{-8}$) magnetic dipole (M2) and electric octupole (E3) transitions of Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

(a) Magnetic quadrupole (M2) transitions

i	j	λ_{ij}	A_{ji}^{M2}	f_{ij}^{M2}	i	j	λ_{ij}	A_{ji}^{M2}	f_{ij}^{M2}
1	6	17.418	2.449+05	2.228−08	2	113	15.384	1.941+05	2.066−08
1	26	15.969	2.681+05	2.050−08	2	122	15.327	2.224+05	2.350−08
1	30	15.924	3.256+05	2.475−08	2	125	15.260	1.266+05	1.325−08
1	37	15.734	2.622+05	1.946−08	2	134	15.011	3.341+05	3.386−08
1	39	15.710	7.363+05	5.449−08	3	10	17.651	2.057+05	1.922−08
1	41	15.680	3.053+06	3.376−07	3	72	15.821	9.035+05	6.781−08
1	42	15.677	1.791+06	1.980−07	3	74	15.812	1.943+06	1.457−07
1	46	15.646	6.013+05	6.620−08	3	77	15.795	6.577+05	3.690−08
1	47	15.619	2.542+05	1.860−08	3	78	15.784	6.177+05	2.307−08
1	48	15.613	1.624+05	1.187−08	3	79	15.768	7.334+05	5.467−08
1	50	15.598	6.502+05	7.115−08	3	80	15.766	7.812+05	4.366−08
1	51	15.594	2.082+05	2.277−08	3	81	15.753	1.576+06	2.931−08
1	52	15.589	1.101+06	8.021−08	3	82	15.734	4.683+05	3.476−08
1	54	15.534	1.515+06	1.096−07	3	86	15.695	6.068+05	2.241−08
1	56	15.434	1.547+06	1.105−07	3	87	15.692	1.408+06	1.039−07
1	58	15.408	2.042+05	1.453−08	3	88	15.685	1.678+06	9.285−08
1	59	15.405	3.876+05	4.137−08	3	89	15.683	6.410+05	3.546−08
1	62	15.356	1.283+05	1.361−08	3	90	15.668	1.012+06	3.725−08
1	65	15.302	5.515+05	3.872−08	3	92	15.655	5.517+05	2.027−08
1	70	15.155	1.136+05	1.173−08	3	93	15.641	6.914+05	3.804−08
1	76	15.087	2.396+05	1.635−08	3	94	15.635	3.434+05	2.517−08
2	8	17.688	1.598+05	1.500−08	3	96	15.623	2.638+05	1.931−08
2	9	17.605	1.461+05	2.037−08	3	97	15.616	7.073+05	1.293−08
2	69	15.834	3.251+05	2.444−08	3	98	15.597	6.094+05	2.222−08
2	71	15.802	1.680+06	1.887−07	3	103	15.551	1.061+06	1.924−08
2	78	15.733	1.734+06	1.287−07	3	104	15.538	1.555+06	5.628−08
2	80	15.714	8.790+05	9.763−08	3	105	15.532	2.034+06	3.678−08
2	84	15.656	2.694+05	1.980−08	3	106	15.533	2.467+05	1.785−08
2	86	15.644	2.070+06	1.519−07	3	107	15.519	2.687+05	1.455−08
2	88	15.634	1.172+05	1.289−08	3	113	15.433	6.397+05	3.426−08
2	89	15.633	1.301+06	1.430−07	3	114	15.416	4.763+05	2.546−08
2	92	15.604	1.758+06	1.284−07	3	115	15.410	1.322+06	2.352−08
2	95	15.578	3.409+05	3.720−08	3	116	15.407	3.057+05	2.176−08
2	99	15.541	5.121+05	5.563−08	3	118	15.395	3.764+05	2.006−08
2	101	15.530	7.033+05	7.628−08	3	119	15.387	8.663+05	3.075−08
2	102	15.503	3.432+05	3.710−08	3	123	15.368	5.654+05	2.002−08
2	107	15.470	1.912+05	2.057−08	3	129	15.196	2.146+05	1.486−08
2	110	15.432	1.563+05	1.116−08	3	134	15.058	6.979+05	3.558−08
2	112	15.405	3.331+05	2.370−08	5	40	17.567	1.784+05	1.376−08

Table 4. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), and oscillator strengths (f_{ij}, dimensionless) for some ($f \geq 10^{-8}$) magnetic dipole (M2) and electric octupole (E3) transitions of Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

(b) Electric octupole (E3) transitions

i	j	λ_{ij}	A_{ji}^{E3}	f_{ij}^{E3}
1	44	15.668	9.998+04	1.472−08
1	46	15.646	2.078+05	2.288−08
1	49	15.605	2.649+05	3.869−08
1	50	15.598	3.122+05	3.416−08
1	57	15.410	2.348+05	3.344−08
1	59	15.405	1.503+05	1.604−08
1	60	15.392	1.117+05	1.190−08
1	61	15.380	4.066+05	5.767−08
1	70	15.155	1.417+05	1.464−08
2	72	15.770	1.314+05	1.959−08
2	74	15.761	1.731+05	2.578−08
2	77	15.744	1.067+05	1.190−08
2	82	15.683	1.827+05	2.695−08
2	93	15.590	2.410+05	2.634−08
2	106	15.483	2.385+05	3.428−08
2	107	15.470	9.715+04	1.046−08
2	113	15.384	2.569+05	2.735−08
2	121	15.333	1.483+05	2.091−08
2	134	15.011	1.183+05	1.199−08
3	82	15.734	1.466+05	1.088−08
3	85	15.708	2.682+05	2.481−08
3	95	15.628	2.140+05	1.175−08
3	96	15.623	1.892+05	1.384−08
3	100	15.579	3.972+05	1.445−08
3	102	15.553	2.398+05	1.305−08
3	109	15.491	2.891+05	2.600−08
3	111	15.461	3.844+05	3.444−08
3	121	15.382	2.578+05	1.829−08
3	122	15.376	3.466+05	1.843−08
3	129	15.196	1.467+05	1.016−08

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Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
1	2	3.551+02	6.283+09	1.188−01	2.777−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	3	3.308+02	7.834+09	2.570−01	5.598−01	8.113−00	2.662−10	8.619−00	0.000−00	0.000−00
1	6	1.742+01	8.202+11	7.461−02	8.557−03	2.449+05	2.228−08	1.053−01	0.000−00	0.000−00
1	7	1.712+01	8.450+11	3.711−02	4.182−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	26	1.597+01	9.327+10	7.132−03	7.498−04	2.681+05	2.050−08	7.470−02	0.000−00	0.000−00
1	27	1.597+01	3.087+11	1.180−02	1.241−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	28	1.595+01	0.000−00	0.000−00	0.000−00	1.513+03	1.731−10	6.281−04	7.752+02	8.867−11
1	29	1.595+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.337+04	9.662−09
1	30	1.592+01	1.187+11	9.021−03	9.458−04	3.256+05	2.475−08	8.941−02	0.000−00	0.000−00
1	31	1.589+01	0.000−00	0.000−00	0.000−00	8.287+04	9.410−09	3.378−02	1.768+04	2.008−09
1	32	1.588+01	7.677+08	5.803−05	6.067−06	1.555+03	1.175−10	4.210−04	0.000−00	0.000−00
1	33	1.587+01	8.529+10	3.222−03	3.368−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	34	1.587+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.716+03	1.468−09
1	35	1.586+01	0.000−00	0.000−00	0.000−00	2.770+04	3.136−09	1.120−02	3.984+03	4.510−10
1	36	1.575+01	5.136+10	1.909−03	1.979−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	37	1.573+01	1.664+10	1.235−03	1.279−04	2.622+05	1.946−08	6.783−02	0.000−00	0.000−00
1	38	1.573+01	4.774+10	1.770−03	1.833−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	39	1.571+01	9.867+10	7.302−03	7.553−04	7.363+05	5.449−08	1.890−01	0.000−00	0.000−00
1	41	1.568+01	0.000−00	0.000−00	0.000−00	3.053+06	3.376−07	1.164−00	2.645+04	2.924−09
1	42	1.568+01	0.000−00	0.000−00	0.000−00	1.791+06	1.980−07	6.826−01	1.918+04	2.121−09
1	43	1.567+01	6.427+09	4.734−04	4.885−05	3.515+04	2.589−09	8.919−03	0.000−00	0.000−00
1	44	1.567+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.998+04	1.472−08
1	45	1.565+01	1.261+08	4.633−06	4.775−07	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	46	1.565+01	0.000−00	0.000−00	0.000−00	6.013+05	6.620−08	2.268−01	2.078+05	2.288−08
1	47	1.562+01	4.862+10	3.556−03	3.657−04	2.542+05	1.860−08	6.340−02	0.000−00	0.000−00
1	48	1.561+01	4.872+09	3.561−04	3.661−05	1.624+05	1.187−08	4.042−02	0.000−00	0.000−00
1	49	1.560+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.649+05	3.869−08
1	50	1.560+01	0.000−00	0.000−00	0.000−00	6.502+05	7.115−08	2.416−01	3.122+05	3.416−08
1	51	1.559+01	0.000−00	0.000−00	0.000−00	2.082+05	2.277−08	7.725−02	6.629+04	7.250−09
1	52	1.559+01	5.414+08	3.945−05	4.049−06	1.101+06	8.021−08	2.719−01	0.000−00	0.000−00
1	53	1.558+01	1.025+12	3.730−02	3.827−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	54	1.553+01	3.670+12	2.655−01	2.716−02	1.515+06	1.096−07	3.675−01	0.000−00	0.000−00
1	55	1.551+01	3.161+12	1.139−01	1.164−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	56	1.543+01	7.926+11	5.661−02	5.753−03	1.547+06	1.105−07	3.635−01	0.000−00	0.000−00
1	57	1.541+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.348+05	3.344−08
1	58	1.541+01	2.632+11	1.874−02	1.901−03	2.042+05	1.453−08	4.757−02	0.000−00	0.000−00
1	59	1.540+01	0.000−00	0.000−00	0.000−00	3.876+05	4.137−08	1.353−01	1.503+05	1.604−08
1	60	1.539+01	0.000−00	0.000−00	0.000−00	8.251+04	8.791−09	2.868−02	1.117+05	1.190−08
1	61	1.538+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.066+05	5.767−08
1	62	1.536+01	0.000−00	0.000−00	0.000−00	1.283+05	1.361−08	4.410−02	2.172+04	2.304−09
1	63	1.535+01	5.031+11	1.779−02	1.798−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	64	1.532+01	4.447+10	1.565−03	1.578−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	65	1.530+01	2.170+12	1.524−01	1.535−02	5.515+05	3.872−08	1.241−01	0.000−00	0.000−00
1	66	1.527+01	1.359+13	9.499−01	9.548−02	3.238+03	2.263−10	7.205−04	0.000−00	0.000−00
1	67	1.520+01	2.461+13	8.525−01	8.532−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
1	70	1.515+01	0.000−00	0.000−00	0.000−00	1.136+05	1.173−08	3.655−02	1.417+05	1.464−08
1	76	1.509+01	9.012+12	6.150−01	6.109−02	2.396+05	1.635−08	5.023−02	0.000−00	0.000−00
2	4	2.511+02	1.433+10	2.708−01	4.477−01	1.010−00	1.909−11	2.702−01	0.000−00	0.000−00
2	5	2.494+02	0.000−00	0.000−00	0.000−00	7.524−00	2.104−10	2.918−00	9.294−02	2.599−12
2	8	1.769+01	2.826+09	2.652−04	3.088−05	1.598+05	1.500−08	7.425−02	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
2	9	1.760+01	0.000−00	0.000−00	0.000−00	1.461+05	2.037−08	9.943−02	4.274+02	5.958−11
2	10	1.759+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.954−03	1.104−15
2	11	1.758+01	5.803+11	5.380−02	6.229−03	2.209+04	2.048−09	9.963−03	0.000−00	0.000−00
2	12	1.754+01	5.227+11	2.411−02	2.784−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	13	1.750+01	0.000−00	0.000−00	0.000−00	2.317+01	3.193−12	1.532−05	7.148+02	9.851−11
2	14	1.750+01	2.044+11	1.877−02	2.164−03	8.366+03	7.686−10	3.687−03	0.000−00	0.000−00
2	15	1.743+01	4.442+10	2.023−03	2.322−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	16	1.731+01	1.720+11	7.725−03	8.804−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	17	1.728+01	4.530+11	4.055−02	4.613−03	1.417+02	1.268−11	5.852−05	0.000−00	0.000−00
2	18	1.727+01	5.493+11	2.456−02	2.792−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	19	1.723+01	0.000−00	0.000−00	0.000−00	4.242+04	5.667−09	2.595−02	4.461+03	5.959−10
2	20	1.724+01	1.314+09	1.171−04	1.329−05	6.110−01	5.443−14	2.494−07	0.000−00	0.000−00
2	21	1.721+01	0.000−00	0.000−00	0.000−00	5.802+03	7.732−10	3.529−03	1.376+01	1.833−12
2	22	1.719+01	3.620+11	3.206−02	3.628−03	1.816+04	1.608−09	7.305−03	0.000−00	0.000−00
2	23	1.697+01	3.706+10	1.600−03	1.788−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	24	1.692+01	6.657+10	5.717−03	6.371−04	7.017+01	6.026−12	2.614−05	0.000−00	0.000−00
2	25	1.674+01	6.439+11	2.706−02	2.983−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	68	1.585+01	1.250+09	4.708−05	4.915−06	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	69	1.583+01	2.536+10	1.906−03	1.987−04	3.251+05	2.444−08	8.680−02	0.000−00	0.000−00
2	71	1.580+01	0.000−00	0.000−00	0.000−00	1.680+06	1.887−07	6.661−01	1.375+03	1.545−10
2	72	1.577+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.314+05	1.959−08
2	74	1.576+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.731+05	2.578−08
2	77	1.574+01	0.000−00	0.000−00	0.000−00	5.480+04	6.110−09	2.133−02	1.067+05	1.190−08
2	78	1.573+01	2.603+11	1.932−02	2.001−03	1.734+06	1.287−07	4.483−01	0.000−00	0.000−00
2	79	1.572+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.230+03	1.219−09
2	80	1.571+01	0.000−00	0.000−00	0.000−00	8.790+05	9.763−08	3.390−01	1.560+04	1.732−09
2	81	1.570+01	4.644+11	1.716−02	1.775−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	82	1.568+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.827+05	2.695−08
2	83	1.567+01	1.161+10	4.271−04	4.406−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	84	1.566+01	3.799+09	2.792−04	2.878−05	2.694+05	1.980−08	6.799−02	0.000−00	0.000−00
2	86	1.564+01	7.257+11	5.326−02	5.486−03	2.070+06	1.519−07	5.203−01	0.000−00	0.000−00
2	87	1.564+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.034+02	7.385−11
2	88	1.563+01	0.000−00	0.000−00	0.000−00	1.172+05	1.289−08	4.406−02	1.429+04	1.571−09
2	89	1.563+01	0.000−00	0.000−00	0.000−00	1.301+06	1.430−07	4.887−01	6.858+04	7.538−09
2	90	1.562+01	1.102+12	8.060−02	8.288−03	1.370+02	1.002−11	3.416−05	0.000−00	0.000−00
2	92	1.560+01	3.717+10	2.714−03	2.788−04	1.758+06	1.284−07	4.365−01	0.000−00	0.000−00
2	93	1.559+01	0.000−00	0.000−00	0.000−00	7.708+04	8.426−09	2.857−02	2.410+05	2.634−08
2	94	1.559+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.015+04	2.935−09
2	95	1.558+01	0.000−00	0.000−00	0.000−00	3.409+05	3.720−08	1.258−01	9.088+04	9.919−09
2	96	1.557+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.489+04	3.619−09
2	97	1.556+01	6.400+11	2.325−02	2.382−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	98	1.555+01	3.635+11	2.634−02	2.696−03	8.548+04	6.195−09	2.083−02	0.000−00	0.000−00
2	99	1.554+01	0.000−00	0.000−00	0.000−00	5.121+05	5.563−08	1.868−01	1.615+02	1.755−11
2	100	1.553+01	1.643+10	1.188−03	1.215−04	1.115+05	8.062−09	2.701−02	0.000−00	0.000−00
2	101	1.553+01	0.000−00	0.000−00	0.000−00	7.033+05	7.628−08	2.556−01	3.697+03	4.010−10
2	102	1.550+01	0.000−00	0.000−00	0.000−00	3.432+05	3.710−08	1.237−01	7.089+03	7.664−10
2	103	1.550+01	5.412+12	1.949−01	1.990−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	104	1.549+01	2.076+11	1.493−02	1.523−03	1.276+05	9.180−09	3.052−02	0.000−00	0.000−00
2	105	1.548+01	2.064+08	7.416−06	7.560−07	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	106	1.548+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.385+05	3.428−08

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
2	107	1.547+01	0.000−00	0.000−00	0.000−00	1.912+05	2.057−08	6.814−02	9.715+04	1.046−08
2	108	1.545+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.485+03	1.214−09
2	110	1.543+01	2.597+11	1.854−02	1.884−03	1.563+05	1.116−08	3.670−02	0.000−00	0.000−00
2	112	1.540+01	1.029+11	7.319−03	7.424−04	3.331+05	2.370−08	7.752−02	0.000−00	0.000−00
2	113	1.538+01	0.000−00	0.000−00	0.000−00	1.941+05	2.066−08	6.730−02	2.569+05	2.735−08
2	114	1.537+01	0.000−00	0.000−00	0.000−00	3.858+04	4.098−09	1.331−02	6.651+03	7.065−10
2	115	1.536+01	1.644+11	5.814−03	5.880−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	116	1.536+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.467+04	9.147−09
2	117	1.535+01	1.308+11	9.246−03	9.347−04	8.014+03	5.665−10	1.835−03	0.000−00	0.000−00
2	118	1.535+01	0.000−00	0.000−00	0.000−00	4.950+04	5.242−09	1.695−02	3.274+04	3.468−09
2	119	1.534+01	1.196+11	8.435−03	8.518−04	2.497+01	1.761−12	5.686−06	0.000−00	0.000−00
2	120	1.534+01	5.074+10	1.789−03	1.807−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	121	1.533+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.483+05	2.091−08
2	122	1.533+01	0.000−00	0.000−00	0.000−00	2.224+05	2.350−08	7.570−02	3.117+04	3.293−09
2	123	1.532+01	2.908+12	2.046−01	2.064−02	1.949+03	1.371−10	4.412−04	0.000−00	0.000−00
2	124	1.526+01	2.167+13	1.513−00	1.521−01	1.662−00	1.161−13	3.691−07	0.000−00	0.000−00
2	125	1.526+01	0.000−00	0.000−00	0.000−00	1.266+05	1.325−08	4.214−02	1.259+03	1.319−10
2	126	1.525+01	1.560+13	5.439−01	5.462−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	127	1.520+01	3.090+11	2.142−02	2.144−03	4.879+03	3.382−10	1.063−03	0.000−00	0.000−00
2	128	1.515+01	3.705+11	1.276−02	1.273−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	129	1.515+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.126+04	8.429−09
2	130	1.512+01	0.000−00	0.000−00	0.000−00	1.856+02	1.908−11	5.903−05	8.069+03	8.297−10
2	131	1.511+01	2.884+11	1.975−02	1.965−03	2.513+04	1.721−09	5.316−03	0.000−00	0.000−00
2	132	1.507+01	7.818+12	2.662−01	2.641−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
2	133	1.503+01	1.004+12	6.796−02	6.723−03	7.514+04	5.087−09	1.544−02	0.000−00	0.000−00
2	134	1.501+01	0.000−00	0.000−00	0.000−00	3.341+05	3.386−08	1.025−01	1.183+05	1.199−08
3	4	2.648+02	2.444+09	2.569−02	8.961−02	7.637−06	8.030−17	2.668−06	1.111−01	1.168−12
3	5	2.629+02	1.503+10	2.336−01	8.088−01	3.150+01	4.896−10	1.592+01	5.221−02	8.115−13
3	8	1.775+01	1.318+10	6.228−04	1.456−04	8.260+04	3.903−09	3.908−02	1.352−00	6.390−14
3	9	1.767+01	1.241+11	8.713−03	2.027−03	1.582+04	1.111−09	1.096−02	3.238+02	2.273−11
3	10	1.765+01	0.000−00	0.000−00	0.000−00	2.057+05	1.922−08	1.891−01	1.419−02	1.326−15
3	11	1.765+01	5.125+07	2.393−06	5.562−07	3.406+04	1.591−09	1.565−02	1.353+03	6.319−11
3	12	1.760+01	3.603+10	8.371−04	1.940−04	2.326+04	5.402−10	5.273−03	0.000−00	0.000−00
3	13	1.757+01	3.975+11	2.759−02	6.383−03	9.475+04	6.576−09	6.381−02	5.390+02	3.741−11
3	14	1.757+01	5.497+11	2.543−02	5.884−03	1.696+04	7.849−10	7.614−03	1.247+03	5.771−11
3	15	1.749+01	6.962+11	1.597−02	3.680−03	8.117+03	1.862−10	1.784−03	0.000−00	0.000−00
3	16	1.737+01	1.100+11	2.488−03	5.692−04	1.345+01	3.042−13	2.853−06	0.000−00	0.000−00
3	17	1.734+01	9.530+09	4.296−04	9.809−05	1.273+04	5.739−10	5.354−03	8.206+02	3.699−11
3	18	1.733+01	2.649+10	5.964−04	1.361−04	1.367+04	3.078−10	2.867−03	0.000−00	0.000−00
3	19	1.730+01	1.599+10	1.075−03	2.449−04	3.410+04	2.294−09	2.123−02	3.295+03	2.216−10
3	20	1.730+01	1.793+11	8.044−03	1.832−03	3.134+04	1.406−09	1.302−02	4.279−01	1.920−14
3	21	1.727+01	1.112+12	7.461−02	1.697−02	8.600+03	5.771−10	5.324−03	1.205+01	8.088−13
3	22	1.725+01	5.919+11	2.640−02	5.996−03	1.883+05	8.399−09	7.713−02	1.468+03	6.548−11
3	23	1.703+01	9.763+11	2.123−02	4.762−03	5.588+04	1.215−09	1.074−02	0.000−00	0.000−00
3	24	1.698+01	4.079+11	1.764−02	3.945−03	8.020+03	3.468−10	3.040−03	5.016+03	2.169−10
3	25	1.680+01	2.713+11	5.740−03	1.270−03	1.161+04	2.457−10	2.085−03	0.000−00	0.000−00
3	68	1.591+01	8.192+08	1.554−05	3.254−06	1.882+04	3.569−10	2.570−03	0.000−00	0.000−00
3	69	1.589+01	6.653+09	2.517−04	5.265−05	4.992+04	1.889−09	1.355−02	1.748+03	6.613−11
3	71	1.585+01	4.082+10	2.307−03	4.817−04	9.278+04	5.244−09	3.740−02	2.598+03	1.469−10
3	72	1.582+01	0.000−00	0.000−00	0.000−00	9.035+05	6.781−08	4.806−01	1.146+04	8.602−10

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
3	73	1.582+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.036+05	9.712−09
3	74	1.581+01	0.000−00	0.000−00	0.000−00	1.943+06	1.457−07	1.031−00	4.593+01	3.443−12
3	77	1.580+01	9.622+10	5.398−03	1.123−03	6.577+05	3.690−08	2.602−01	1.885+01	1.058−12
3	78	1.578+01	5.159+10	1.927−03	4.005−04	6.177+05	2.307−08	1.624−01	2.422+04	9.049−10
3	79	1.577+01	0.000−00	0.000−00	0.000−00	7.334+05	5.467−08	3.835−01	8.309+04	6.194−09
3	80	1.577+01	2.843+10	1.589−03	3.299−04	7.812+05	4.366−08	3.061−01	1.470+04	8.218−10
3	81	1.575+01	1.127+11	2.096−03	4.349−04	1.576+06	2.931−08	2.050−01	0.000−00	0.000−00
3	82	1.573+01	0.000−00	0.000−00	0.000−00	4.683+05	3.476−08	2.423−01	1.466+05	1.088−08
3	83	1.572+01	2.458+11	4.551−03	9.419−04	5.747+04	1.064−09	7.392−03	0.000−00	0.000−00
3	84	1.571+01	2.750+10	1.017−03	2.104−04	1.529+05	5.654−09	3.920−02	1.175+01	4.347−13
3	85	1.571+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.682+05	2.481−08
3	86	1.569+01	7.995+09	2.953−04	6.102−05	6.068+05	2.241−08	1.550−01	3.972+01	1.467−12
3	87	1.569+01	0.000−00	0.000−00	0.000−00	1.408+06	1.039−07	7.184−01	4.723+04	3.487−09
3	88	1.569+01	1.868+09	1.034−04	2.135−05	1.678+06	9.285−08	6.411−01	1.001+03	5.536−11
3	89	1.568+01	2.219+11	1.227−02	2.535−03	6.410+05	3.546−08	2.447−01	6.011+02	3.325−11
3	90	1.567+01	4.640+11	1.708−02	3.524−03	1.012+06	3.725−08	2.564−01	5.589+04	2.057−09
3	91	1.566+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.012+04	9.303−10
3	92	1.565+01	6.517+08	2.395−05	4.936−06	5.517+05	2.027−08	1.392−01	2.866+03	1.053−10
3	93	1.564+01	6.018+11	3.311−02	6.819−03	6.914+05	3.804−08	2.604−01	1.019+02	5.606−12
3	94	1.564+01	0.000−00	0.000−00	0.000−00	3.434+05	2.517−08	1.722−01	1.291+05	9.462−09
3	95	1.563+01	2.106+11	1.157−02	2.381−03	1.289+05	7.080−09	4.836−02	2.140+05	1.175−08
3	96	1.562+01	0.000−00	0.000−00	0.000−00	2.638+05	1.931−08	1.317−01	1.892+05	1.384−08
3	97	1.562+01	6.351+10	1.161−03	2.387−04	7.073+05	1.293−08	8.810−02	0.000−00	0.000−00
3	98	1.560+01	3.661+10	1.335−03	2.742−04	6.094+05	2.222−08	1.509−01	1.023+05	3.731−09
3	99	1.559+01	1.619+12	8.853−02	1.818−02	5.754+03	3.146−10	2.133−03	2.404+01	1.314−12
3	100	1.558+01	1.002+11	3.647−03	7.482−04	1.506+04	5.478−10	3.707−03	3.972+05	1.445−08
3	101	1.558+01	4.930+09	2.691−04	5.521−05	3.418+04	1.866−09	1.263−02	3.180+04	1.736−09
3	102	1.555+01	1.259+11	6.849−03	1.403−03	3.701+03	2.013−10	1.355−03	2.398+05	1.305−08
3	103	1.555+01	2.030+11	3.680−03	7.536−04	1.061+06	1.924−08	1.295−01	0.000−00	0.000−00
3	104	1.554+01	5.569+11	2.016−02	4.124−03	1.555+06	5.628−08	3.778−01	4.159+03	1.505−10
3	105	1.553+01	2.426+12	4.388−02	8.975−03	2.034+06	3.678−08	2.466−01	0.000−00	0.000−00
3	106	1.553+01	0.000−00	0.000−00	0.000−00	2.467+05	1.785−08	1.197−01	4.973+02	3.597−11
3	107	1.552+01	3.079+11	1.667−02	3.408−03	2.687+05	1.455−08	9.735−02	1.488+05	8.058−09
3	108	1.550+01	0.000−00	0.000−00	0.000−00	1.035+05	7.452−09	4.962−02	3.108+04	2.238−09
3	109	1.549+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.891+05	2.600−08
3	110	1.548+01	3.831+12	1.377−01	2.807−02	6.236+02	2.241−11	1.488−04	3.474+01	1.248−12
3	111	1.546+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.844+05	3.444−08
3	112	1.545+01	2.826+10	1.012−03	2.059−04	1.180+05	4.223−09	2.789−02	8.501+03	3.044−10
3	113	1.543+01	7.258+11	3.888−02	7.901−03	6.397+05	3.426−08	2.254−01	9.829+03	5.265−10
3	114	1.542+01	2.096+12	1.120−01	2.274−02	4.763+05	2.546−08	1.669−01	3.080+03	1.646−10
3	115	1.541+01	1.144+12	2.035−02	4.130−03	1.322+06	2.352−08	1.540−01	0.000−00	0.000−00
3	116	1.541+01	0.000−00	0.000−00	0.000−00	3.057+05	2.176−08	1.424−01	3.302+04	2.350−09
3	117	1.540+01	5.912+11	2.103−02	4.266−03	1.590+04	5.657−10	3.699−03	1.166+04	4.149−10
3	118	1.540+01	8.219+11	4.380−02	8.880−03	3.764+05	2.006−08	1.310−01	1.377+03	7.338−11
3	119	1.539+01	4.329+10	1.537−03	3.113−04	8.663+05	3.075−08	2.005−01	7.394+04	2.625−09
3	120	1.539+01	9.237+09	1.639−04	3.321−05	3.239+05	5.748−09	3.746−02	0.000−00	0.000−00
3	121	1.538+01	0.000−00	0.000−00	0.000−00	1.041+04	7.383−10	4.808−03	2.578+05	1.829−08
3	122	1.538+01	1.139+10	6.058−04	1.227−04	2.138+04	1.137−09	7.394−03	3.466+05	1.843−08
3	123	1.537+01	1.255+10	4.446−04	8.997−05	5.654+05	2.002−08	1.300−01	2.210+04	7.825−10
3	124	1.531+01	5.429+11	1.908−02	3.846−03	1.836+05	6.452−09	4.143−02	6.609+02	2.322−11

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
3	125	1.531+01	9.995+12	5.267−01	1.062−01	2.202+03	1.161−10	7.450−04	2.857+04	1.505−09
3	126	1.530+01	3.524+10	6.182−04	1.246−04	4.734+04	8.306−10	5.322−03	0.000−00	0.000−00
3	127	1.525+01	1.828+13	6.375−01	1.280−01	4.649+04	1.621−09	1.029−02	1.288+05	4.493−09
3	128	1.520+01	2.346+13	4.064−01	8.136−02	1.781+04	3.084−10	1.939−03	0.000−00	0.000−00
3	129	1.520+01	0.000−00	0.000−00	0.000−00	2.146+05	1.486−08	9.331−02	1.467+05	1.016−08
3	130	1.517+01	1.184+13	6.128−01	1.224−01	4.532+04	2.344−09	1.464−02	3.201+04	1.656−09
3	131	1.516+01	5.397+12	1.860−01	3.713−02	1.788+04	6.162−10	3.842−03	2.734+05	9.423−09
3	132	1.512+01	3.019+12	5.171−02	1.029−02	1.733+05	2.969−09	1.836−02	0.000−00	0.000−00
3	133	1.507+01	2.487+11	8.473−03	1.682−03	1.234+04	4.202−10	2.575−03	1.203+04	4.098−10
3	134	1.506+01	6.046+11	3.083−02	6.113−03	6.979+05	3.558−08	2.174−01	2.306+04	1.176−09
4	6	1.976+01	1.732+07	1.013−06	2.637−07	1.110+01	6.493−13	8.962−06	2.272+01	1.330−12
4	7	1.937+01	2.547+08	7.163−06	1.827−06	1.152+01	3.239−13	4.212−06	0.000−00	0.000−00
4	26	1.791+01	1.774+10	8.535−04	2.014−04	2.543+03	1.224−10	1.259−03	3.133+02	1.507−11
4	27	1.791+01	9.237+10	2.222−03	5.241−04	1.863+03	4.480−11	4.608−04	0.000−00	0.000−00
4	28	1.789+01	1.623+09	1.168−04	2.751−05	3.370+02	2.425−11	2.484−04	4.589−00	3.302−13
4	29	1.789+01	0.000−00	0.000−00	0.000−00	1.559+04	1.495−09	1.531−02	3.529+01	3.384−12
4	30	1.786+01	2.370+10	1.133−03	2.664−04	1.902+03	9.095−11	9.267−04	6.591+01	3.151−12
4	31	1.781+01	3.583+10	2.557−03	5.999−04	9.906+03	7.069−10	7.151−03	1.593+02	1.137−11
4	32	1.780+01	3.844+06	1.826−07	4.280−08	1.356+01	6.443−13	6.502−06	2.327+02	1.105−11
4	33	1.780+01	3.085+10	7.324−04	1.716−04	9.852−00	2.339−13	2.358−06	0.000−00	0.000−00
4	34	1.779+01	0.000−00	0.000−00	0.000−00	2.482+03	2.355−10	2.373−03	3.430−00	3.255−13
4	35	1.778+01	8.126+09	5.780−04	1.353−04	2.118+03	1.507−10	1.516−03	2.296+01	1.633−12
4	36	1.763+01	4.164+10	9.705−04	2.253−04	2.510+03	5.849−11	5.739−04	0.000−00	0.000−00
4	37	1.762+01	3.044+10	1.416−03	3.286−04	3.619+03	1.684−10	1.648−03	5.782−00	2.691−13
4	38	1.761+01	1.571+09	3.652−05	8.469−06	1.497+05	3.481−09	3.402−02	0.000−00	0.000−00
4	39	1.759+01	1.155+10	5.359−04	1.241−04	1.012+05	4.693−09	4.569−02	4.696−00	2.178−13
4	40	1.756+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.079−05	9.335−18
4	41	1.755+01	2.110+10	1.461−03	3.377−04	1.915+04	1.326−09	1.283−02	4.339+01	3.005−12
4	42	1.755+01	7.445+09	5.155−04	1.191−04	3.034+04	2.100−09	2.031−02	4.082+01	2.827−12
4	43	1.754+01	9.776+08	4.510−05	1.042−05	2.444+03	1.128−10	1.089−03	1.538+02	7.097−12
4	44	1.754+01	0.000−00	0.000−00	0.000−00	1.066+05	9.826−09	9.482−02	7.121−04	6.566−17
4	45	1.752+01	6.654+08	1.531−05	3.531−06	1.359−00	3.126−14	3.008−07	0.000−00	0.000−00
4	46	1.751+01	2.979+11	2.053−02	4.734−03	6.407+04	4.417−09	4.242−02	1.596−01	1.100−14
4	47	1.748+01	1.946+11	8.909−03	2.050−03	2.756+04	1.262−09	1.205−02	1.841−00	8.427−14
4	48	1.747+01	1.600+11	7.316−03	1.683−03	8.526+03	3.899−10	3.718−03	1.835+01	8.391−13
4	49	1.746+01	0.000−00	0.000−00	0.000−00	1.631+02	1.490−11	1.419−04	7.083−02	6.472−15
4	50	1.745+01	1.754+11	1.201−02	2.758−03	1.861+04	1.274−09	1.211−02	1.913+01	1.310−12
4	51	1.744+01	1.262+11	8.637−03	1.984−03	6.014+03	4.115−10	3.908−03	7.229+01	4.946−12
4	52	1.744+01	8.795+09	4.009−04	9.207−05	2.726+01	1.243−12	1.179−05	1.240+02	5.654−12
4	53	1.743+01	5.040+11	1.148−02	2.634−03	5.982+03	1.362−10	1.291−03	0.000−00	0.000−00
4	54	1.737+01	7.437+08	3.363−05	7.692−06	8.092+03	3.660−10	3.431−03	1.927+02	8.717−12
4	55	1.734+01	1.197+10	2.697−04	6.158−05	1.081+04	2.435−10	2.270−03	0.000−00	0.000−00
4	56	1.724+01	7.049+10	3.142−03	7.135−04	1.498+04	6.675−10	6.124−03	3.045+01	1.357−12
4	57	1.721+01	0.000−00	0.000−00	0.000−00	5.644+04	5.014−09	4.577−02	5.568+01	4.947−12
4	58	1.721+01	4.232+11	1.880−02	4.260−03	3.271+01	1.453−12	1.326−05	1.374+01	6.102−13
4	59	1.721+01	1.496+11	9.958−03	2.257−03	3.012+03	2.005−10	1.828−03	3.554−01	2.367−14
4	60	1.719+01	6.374+10	4.236−03	9.590−04	7.844+03	5.213−10	4.739−03	3.846−00	2.556−13
4	61	1.718+01	0.000−00	0.000−00	0.000−00	6.604+02	5.842−11	5.297−04	1.042−00	9.216−14
4	62	1.715+01	2.629+11	1.738−02	3.925−03	1.959+04	1.295−09	1.169−02	1.157+01	7.652−13
4	63	1.715+01	3.222+11	7.101−03	1.603−03	1.030+03	2.269−11	2.046−04	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
4	64	1.710+01	3.076+10	6.743−04	1.519−04	2.073+02	4.544−12	4.067−05	0.000−00	0.000−00
4	65	1.708+01	2.343+11	1.025−02	2.305−03	1.331+03	5.820−11	5.188−04	3.694+01	1.615−12
4	66	1.703+01	1.242+09	5.401−05	1.212−05	8.292+03	3.607−10	3.191−03	1.015+03	4.416−11
4	67	1.695+01	2.357+11	5.078−03	1.134−03	4.016+03	8.652−11	7.542−04	0.000−00	0.000−00
4	70	1.690+01	6.800+10	4.366−03	9.713−04	5.434+02	3.489−11	3.011−04	1.308+02	8.400−12
4	76	1.681+01	1.048+11	4.442−03	9.833−04	7.812+02	3.310−11	2.814−04	5.300+02	2.245−11
5	6	1.977+01	2.933+08	1.145−05	4.473−06	1.825+01	7.130−13	1.478−05	1.448+01	5.656−13
5	7	1.938+01	0.000−00	0.000−00	0.000−00	1.308+02	2.455−12	4.798−05	4.053+01	7.607−13
5	26	1.792+01	2.455+10	7.883−04	2.791−04	4.591+03	1.474−10	2.278−03	1.136+02	3.647−12
5	27	1.792+01	0.000−00	0.000−00	0.000−00	1.375+04	2.207−10	3.409−03	6.624+02	1.063−11
5	28	1.790+01	1.053+09	5.056−05	1.787−05	9.830+02	4.720−11	7.262−04	6.545−02	3.143−15
5	29	1.789+01	6.559+10	4.198−03	1.484−03	7.446+03	4.766−10	7.328−03	1.056+02	6.755−12
5	30	1.787+01	2.228+10	7.108−04	2.508−04	6.773+03	2.161−10	3.307−03	1.055+02	3.366−12
5	31	1.782+01	1.852+10	8.820−04	3.105−04	1.337+04	6.366−10	9.673−03	2.648+01	1.261−12
5	32	1.781+01	1.141+09	3.617−05	1.272−05	1.132+02	3.588−12	5.440−05	1.215+02	3.852−12
5	33	1.780+01	0.000−00	0.000−00	0.000−00	5.032+03	7.970−11	1.207−03	9.605+01	1.521−12
5	34	1.780+01	9.884+09	6.258−04	2.200−04	1.093+03	6.924−11	1.048−03	1.024+01	6.482−13
5	35	1.779+01	5.281+09	2.506−04	8.809−05	2.653+03	1.259−10	1.903−03	1.053+02	4.998−12
5	36	1.764+01	0.000−00	0.000−00	0.000−00	9.105+02	1.416−11	2.087−04	2.337−00	3.635−14
5	37	1.763+01	6.380+09	1.981−04	6.899−05	8.188+03	2.543−10	3.738−03	1.970+02	6.119−12
5	38	1.762+01	0.000−00	0.000−00	0.000−00	1.411+04	2.189−10	3.214−03	5.092−00	7.900−14
5	39	1.760+01	5.765+09	1.784−04	6.202−05	5.219+04	1.615−09	2.362−02	1.417−00	4.387−14
5	40	1.757+01	0.000−00	0.000−00	0.000−00	1.784+05	1.376−08	2.002−01	5.667−04	4.369−17
5	41	1.756+01	4.315+09	1.995−04	6.918−05	5.032+04	2.326−09	3.380−02	9.590−00	4.433−13
5	42	1.756+01	7.295+10	3.371−03	1.169−03	4.028+04	1.861−09	2.703−02	1.140+01	5.267−13
5	43	1.755+01	3.998+10	1.231−03	4.267−04	4.556+02	1.403−11	2.036−04	1.462+01	4.500−13
5	44	1.755+01	1.155+11	7.108−03	2.463−03	3.028+04	1.863−09	2.700−02	8.818−03	5.426−16
5	45	1.753+01	0.000−00	0.000−00	0.000−00	1.943+01	2.983−13	4.312−06	1.522−00	2.337−14
5	46	1.752+01	2.665+10	1.226−03	4.241−04	8.343+03	3.838−10	5.537−03	4.205−01	1.934−14
5	47	1.748+01	5.254+07	1.605−06	5.543−07	1.510+04	4.613−10	6.616−03	3.265+01	9.976−13
5	48	1.748+01	2.205+10	6.729−04	2.323−04	4.041+03	1.233−10	1.767−03	1.925+02	5.874−12
5	49	1.747+01	3.076+11	1.876−02	6.471−03	1.084+05	6.611−09	9.455−02	2.572−01	1.568−14
5	50	1.746+01	2.219+11	1.014−02	3.495−03	6.663+02	3.044−11	4.346−04	8.609+01	3.933−12
5	51	1.745+01	1.688+11	7.708−03	2.657−03	6.981+02	3.187−11	4.547−04	2.074+02	9.467−12
5	52	1.745+01	1.978+11	6.018−03	2.074−03	1.906+03	5.797−11	8.262−04	1.545+01	4.700−13
5	53	1.744+01	0.000−00	0.000−00	0.000−00	2.670+03	4.057−11	5.774−04	3.136+02	4.766−12
5	54	1.738+01	4.485+11	1.354−02	4.646−03	6.570+02	1.983−11	2.792−04	1.135+02	3.425−12
5	55	1.734+01	0.000−00	0.000−00	0.000−00	7.094+04	1.066−09	1.493−02	6.049+01	9.094−13
5	56	1.725+01	9.947+10	2.959−03	1.008−03	2.407+04	7.160−10	9.868−03	2.935+01	8.730−13
5	57	1.722+01	1.660+11	9.840−03	3.347−03	3.530+04	2.092−09	2.869−02	1.694+02	1.004−11
5	58	1.722+01	1.139+10	3.375−04	1.148−04	1.835+02	5.437−12	7.452−05	3.719−00	1.102−13
5	59	1.722+01	2.588+10	1.150−03	3.910−04	1.747+03	7.761−11	1.063−03	1.712−01	7.606−15
5	60	1.720+01	1.724+11	7.646−03	2.598−03	2.974+04	1.319−09	1.801−02	4.981−00	2.209−13
5	61	1.718+01	5.474+11	3.231−02	1.097−02	9.798+02	5.784−11	7.877−04	3.366−00	1.987−13
5	62	1.716+01	3.862+11	1.704−02	5.773−03	3.062+04	1.351−09	1.831−02	8.233+01	3.633−12
5	63	1.715+01	0.000−00	0.000−00	0.000−00	1.038+04	1.527−10	2.068−03	1.867+01	2.745−13
5	64	1.711+01	0.000−00	0.000−00	0.000−00	9.302+02	1.361−11	1.830−04	1.987+02	2.907−12
5	65	1.709+01	4.569+10	1.333−03	4.500−04	3.452+03	1.007−10	1.349−03	1.064+02	3.106−12
5	66	1.704+01	3.283+11	9.532−03	3.209−03	4.963+04	1.441−09	1.915−02	5.082+02	1.475−11
5	67	1.696+01	0.000−00	0.000−00	0.000−00	8.083+04	1.162−09	1.521−02	2.702+03	3.884−11

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
5	70	1.690+01	1.753+11	7.509−03	2.507−03	7.260+02	3.110−11	4.033−04	3.460+01	1.482−12
5	76	1.682+01	1.903+10	5.380−04	1.787−04	1.596+03	4.512−11	5.762−04	5.061+02	1.431−11
6	8	5.161+02	3.460+06	1.382−04	9.389−04	1.882−01	7.515−12	1.848−00	9.711−11	3.877−21
6	9	4.530+02	3.415+07	1.576−03	9.403−03	4.311−03	1.990−13	3.310−02	5.323−08	2.457−18
6	10	4.416+02	0.000−00	0.000−00	0.000−00	1.811−00	1.059−10	1.632+01	4.361−12	2.550−22
6	11	4.399+02	1.278+06	3.708−05	2.148−04	1.055−01	3.061−12	4.663−01	2.541−07	7.373−18
6	12	4.137+02	1.266+08	1.624−03	8.849−03	4.317−02	5.540−13	7.021−02	0.000−00	0.000−00
6	13	3.950+02	2.040+05	7.157−06	3.723−05	3.075−00	1.079−10	1.190+01	2.066−07	7.249−18
6	14	3.944+02	6.400+07	1.492−03	7.749−03	2.162−00	5.041−11	5.532−00	4.644−07	1.083−17
6	15	3.607+02	1.944+09	1.896−02	9.004−02	3.372−00	3.288−11	2.761−00	0.000−00	0.000−00
6	16	3.148+02	7.231+07	5.370−04	2.226−03	1.578−01	1.172−12	6.540−02	0.000−00	0.000−00
6	17	3.048+02	1.983+08	2.763−03	1.109−02	8.573−02	1.194−12	6.053−02	1.670−06	2.327−17
6	18	3.019+02	7.098+09	4.848−02	1.927−01	2.192−01	1.497−12	7.369−02	0.000−00	0.000−00
6	19	2.914+02	1.414+10	2.700−01	1.036−00	7.877−03	1.505−13	6.665−03	1.112−05	2.123−16
6	20	2.923+02	1.206+09	1.544−02	5.944−02	4.599−01	5.889−12	2.631−01	9.202−09	1.178−19
6	21	2.860+02	4.841+09	8.902−02	3.352−01	7.329−02	1.348−12	5.639−02	6.278−09	1.154−19
6	22	2.788+02	1.927+10	2.245−01	8.239−01	2.608−01	3.038−12	1.177−01	6.751−06	7.864−17
6	23	2.314+02	8.539+09	3.427−02	1.044−01	3.691−00	1.481−11	3.283−01	0.000−00	0.000−00
6	24	2.227+02	1.747+08	1.299−03	3.810−03	3.542−02	2.634−13	5.207−03	7.537−05	5.605−16
6	25	1.949+02	8.933+09	2.543−02	6.527−02	1.862+01	5.300−11	7.021−01	0.000−00	0.000−00
6	68	1.179+02	9.153+04	9.540−08	1.481−07	2.419−01	2.521−13	7.395−04	0.000−00	0.000−00
6	69	1.168+02	2.061+05	4.217−07	6.487−07	5.518−02	1.129−13	3.221−04	6.233−04	1.275−15
6	71	1.151+02	1.137+05	3.390−07	5.140−07	6.111−03	1.822−14	4.976−05	1.450−03	4.323−15
6	72	1.134+02	0.000−00	0.000−00	0.000−00	1.288−00	4.969−12	1.297−02	1.103−03	4.255−15
6	73	1.131+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.638−03	3.184−14
6	74	1.130+02	0.000−00	0.000−00	0.000−00	4.587−06	1.755−17	4.527−08	1.997−04	7.639−16
6	77	1.121+02	3.536+06	9.989−06	1.475−05	4.245−00	1.199−11	3.022−02	1.651−03	4.664−15
6	78	1.116+02	2.662+06	4.967−06	7.296−06	4.334−00	8.085−12	2.008−02	2.091−03	3.901−15
6	79	1.107+02	0.000−00	0.000−00	0.000−00	5.302−00	1.949−11	4.734−02	1.346−04	4.946−16
6	80	1.106+02	1.504+06	4.138−06	6.028−06	1.635−00	4.499−12	1.089−02	7.505−04	2.065−15
6	81	1.100+02	9.468+06	8.589−06	1.244−05	7.026−00	6.374−12	1.518−02	0.000−00	0.000−00
6	82	1.091+02	0.000−00	0.000−00	0.000−00	1.897−02	6.771−14	1.573−04	1.694−03	6.046−15
6	83	1.083+02	7.559+05	6.640−07	9.467−07	1.731−00	1.521−12	3.453−03	0.000−00	0.000−00
6	84	1.078+02	7.810+02	1.361−09	1.931−09	2.392−01	4.167−13	9.338−04	1.348−03	2.348−15
6	85	1.078+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.400−03	6.104−15
6	86	1.072+02	2.195+06	3.784−06	5.343−06	1.825−00	3.145−12	6.940−03	7.948−06	1.370−17
6	87	1.071+02	0.000−00	0.000−00	0.000−00	4.653−00	1.599−11	3.513−02	3.673−04	1.262−15
6	88	1.068+02	3.073+04	7.878−08	1.108−07	1.020−00	2.616−12	5.696−03	7.294−04	1.869−15
6	89	1.067+02	7.468+04	1.912−07	2.686−07	7.135−01	1.826−12	3.969−03	2.035−02	5.210−14
6	90	1.060+02	3.492+06	5.881−06	8.210−06	1.093−00	1.842−12	3.925−03	1.245−02	2.096−14
6	91	1.055+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.732−03	2.808−14
6	92	1.054+02	6.616+06	1.102−05	1.529−05	2.128−00	3.544−12	7.424−03	3.473−02	5.783−14
6	93	1.047+02	2.070+06	5.106−06	7.043−06	1.178−00	2.906−12	5.976−03	5.765−03	1.422−14
6	94	1.045+02	0.000−00	0.000−00	0.000−00	1.197−00	3.919−12	8.004−03	1.002−04	3.282−16
6	95	1.042+02	2.115+06	5.164−06	7.085−06	8.877−02	2.167−13	4.387−04	4.412−03	1.077−14
6	96	1.039+02	0.000−00	0.000−00	0.000−00	2.822−00	9.142−12	1.837−02	3.912−03	1.267−14
6	97	1.036+02	1.658+04	1.335−08	1.822−08	7.675−01	6.180−13	1.231−03	0.000−00	0.000−00
6	98	1.028+02	8.343+04	1.322−07	1.789−07	1.415−02	2.242−14	4.359−05	1.321−02	2.093−14
6	99	1.026+02	2.366+06	5.599−06	7.563−06	2.141−01	5.065−13	9.781−04	6.121−02	1.448−13
6	100	1.020+02	6.312+06	9.852−06	1.324−05	2.376−00	3.709−12	7.050−03	1.661−01	2.593−13

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
6	101	1.021+02	2.117+06	4.959−06	6.665−06	3.362−01	7.877−13	1.499−03	2.417−02	5.664−14
6	102	1.009+02	6.794+06	1.557−05	2.070−05	3.373−00	7.731−12	1.423−02	8.103−02	1.857−13
6	103	1.009+02	5.662+06	4.318−06	5.734−06	2.435−00	1.856−12	3.408−03	0.000−00	0.000−00
6	104	1.003+02	1.957+07	2.952−05	3.900−05	9.069−01	1.368−12	2.471−03	9.237−02	1.393−13
6	105	1.001+02	1.025+08	7.695−05	1.014−04	5.887−00	4.419−12	7.923−03	0.000−00	0.000−00
6	106	1.001+02	0.000−00	0.000−00	0.000−00	3.809−02	1.144−13	2.053−04	1.907−05	5.729−17
6	107	9.953+01	9.778+06	2.178−05	2.855−05	1.419−01	3.161−13	5.576−04	1.636−04	3.645−16
6	108	9.859+01	0.000−00	0.000−00	0.000−00	1.476−01	4.301−13	7.376−04	2.515−03	7.330−15
6	109	9.837+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.941−02	1.429−13
6	110	9.802+01	6.341+06	9.133−06	1.179−05	2.835−00	4.083−12	6.880−03	2.302−02	3.316−14
6	111	9.720+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.679−00	5.944−12
6	112	9.691+01	3.484+06	4.905−06	6.260−06	4.783−02	6.735−14	1.097−04	4.430−01	6.237−13
6	113	9.610+01	1.364+08	2.833−04	3.585−04	2.015−01	4.185−13	6.646−04	3.599−01	7.475−13
6	114	9.545+01	1.462+08	2.995−04	3.764−04	4.308−02	8.825−14	1.373−04	2.580−02	5.286−14
6	115	9.520+01	5.193+08	3.528−04	4.423−04	4.852−02	3.297−14	5.090−05	0.000−00	0.000−00
6	116	9.510+01	0.000−00	0.000−00	0.000−00	1.389−03	3.767−15	5.799−06	1.746−00	4.736−12
6	117	9.496+01	5.165+05	6.982−07	8.731−07	4.934−03	6.670−15	1.022−05	2.887−03	3.902−15
6	118	9.462+01	2.292+08	4.615−04	5.751−04	9.342−01	1.881−12	2.851−03	2.392−01	4.815−13
6	119	9.433+01	1.552+07	2.071−05	2.572−05	3.061−02	4.084−14	6.134−05	5.789−03	7.723−15
6	120	9.431+01	1.104+07	7.360−06	9.141−06	1.374−01	9.161−14	1.375−04	0.000−00	0.000−00
6	121	9.415+01	0.000−00	0.000−00	0.000−00	9.545−03	2.537−14	3.789−05	1.408−01	3.743−13
6	122	9.391+01	1.003+08	1.989−04	2.460−04	2.108−02	4.181−14	6.196−05	1.935−01	3.837−13
6	123	9.363+01	4.678+08	6.149−04	7.581−04	2.209−01	2.904−13	4.265−04	1.860−02	2.445−14
6	124	9.150+01	6.075+07	7.625−05	9.188−05	1.628−02	2.044−14	2.802−05	9.367−01	1.176−12
6	125	9.144+01	5.600+05	1.053−06	1.268−06	3.491−01	6.565−13	8.982−04	1.003−00	1.886−12
6	126	9.112+01	8.462+07	5.267−05	6.320−05	4.782−05	2.976−17	4.030−08	0.000−00	0.000−00
6	127	8.946+01	5.450+07	6.539−05	7.703−05	3.658−00	4.389−12	5.623−03	1.641−02	1.968−14
6	128	8.777+01	3.736+08	2.157−04	2.493−04	3.413−01	1.971−13	2.384−04	0.000−00	0.000−00
6	129	8.757+01	0.000−00	0.000−00	0.000−00	1.960−03	4.506−15	5.415−06	9.379−02	2.157−13
6	130	8.665+01	2.592+07	4.377−05	4.995−05	1.263−00	2.132−12	2.483−03	2.308−02	3.898−14
6	131	8.642+01	2.888+07	3.234−05	3.680−05	1.639−01	1.835−13	2.119−04	4.176−01	4.676−13
6	132	8.502+01	5.689+07	3.082−05	3.451−05	1.629−01	8.825−14	9.704−05	0.000−00	0.000−00
6	133	8.366+01	8.078+05	8.476−07	9.338−07	9.113−02	9.562−14	1.002−04	1.758−01	1.844−13
6	134	8.318+01	8.667+06	1.348−05	1.477−05	2.791−00	4.342−12	4.471−03	1.563−01	2.432−13
7	8	1.080+03	1.330+01	4.656−09	3.312−08	9.663−04	3.382−13	3.816−01	0.000−00	0.000−00
7	9	8.367+02	0.000−00	0.000−00	0.000−00	9.076−04	2.858−13	1.498−01	1.242−09	3.910−19
7	10	7.985+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.241−18	4.746−28
7	11	7.930+02	1.732+04	3.266−06	1.705−05	1.701−05	3.208−15	1.431−03	0.000−00	0.000−00
7	12	7.118+02	3.909+06	2.969−04	1.392−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	13	6.581+02	0.000−00	0.000−00	0.000−00	6.070−04	1.183−13	3.016−02	9.598−09	1.870−18
7	14	6.563+02	8.495+04	1.097−05	4.742−05	2.636−03	3.405−13	8.613−02	0.000−00	0.000−00
7	15	5.681+02	3.966+07	1.919−03	7.176−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	16	4.619+02	1.663+07	5.320−04	1.618−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	17	4.408+02	3.347+07	1.950−03	5.662−03	1.619−01	9.433−12	7.231−01	0.000−00	0.000−00
7	18	4.346+02	3.689+07	1.045−03	2.990−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	19	4.134+02	0.000−00	0.000−00	0.000−00	6.414−01	4.930−11	3.116−00	1.662−06	1.277−16
7	20	4.150+02	5.744+06	2.967−04	8.109−04	1.991−00	1.028−10	6.579−00	0.000−00	0.000−00
7	21	4.024+02	0.000−00	0.000−00	0.000−00	2.111−00	1.537−10	8.965−00	3.854−09	2.807−19
7	22	3.883+02	6.801+07	3.075−03	7.862−03	1.689−01	7.636−12	4.001−01	0.000−00	0.000−00
7	23	3.021+02	8.815+09	1.206−01	2.400−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
7	24	2.875+02	1.925+10	4.773−01	9.037−01	1.007−02	2.497−13	5.311−03	0.000−00	0.000−00
7	25	2.428+02	1.450+10	1.281−01	2.048−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	68	1.339+02	1.470+05	3.950−07	3.482−07	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	69	1.325+02	1.386+03	7.292−09	6.361−09	1.247−02	6.564−14	1.366−04	0.000−00	0.000−00
7	71	1.303+02	0.000−00	0.000−00	0.000−00	2.221−02	1.697−13	3.360−04	2.535−05	1.936−16
7	72	1.281+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.952−04	1.922−15
7	74	1.275+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.792−04	2.723−15
7	77	1.264+02	0.000−00	0.000−00	0.000−00	4.304−02	3.095−13	5.596−04	5.163−04	3.712−15
7	78	1.258+02	4.972+06	2.357−05	1.952−05	3.656−02	1.733−13	3.084−04	0.000−00	0.000−00
7	79	1.247+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.100−04	1.958−15
7	80	1.246+02	0.000−00	0.000−00	0.000−00	3.956−02	2.760−13	4.773−04	2.973−04	2.075−15
7	81	1.238+02	6.081+06	1.397−05	1.139−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	82	1.226+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.682−04	1.517−15
7	83	1.216+02	1.296+06	2.872−06	2.299−06	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	84	1.210+02	2.504+03	1.099−08	8.757−09	8.126−03	3.567−14	5.653−05	0.000−00	0.000−00
7	86	1.203+02	1.280+06	5.554−06	4.399−06	4.990−02	2.165−13	3.371−04	0.000−00	0.000−00
7	87	1.201+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.799−06	4.150−17
7	88	1.197+02	0.000−00	0.000−00	0.000−00	3.398−02	2.189−13	3.359−04	9.095−05	5.861−16
7	89	1.196+02	0.000−00	0.000−00	0.000−00	5.964−03	3.837−14	5.875−05	2.286−03	1.471−14
7	90	1.187+02	1.411+06	5.966−06	4.664−06	2.150−01	9.088−13	1.361−03	0.000−00	0.000−00
7	92	1.180+02	1.701+05	7.097−07	5.513−07	2.612−01	1.090−12	1.601−03	0.000−00	0.000−00
7	93	1.172+02	0.000−00	0.000−00	0.000−00	2.090−02	1.290−13	1.857−04	3.439−05	2.123−16
7	94	1.169+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.030−05	3.300−16
7	95	1.165+02	0.000−00	0.000−00	0.000−00	1.118−01	6.821−13	9.644−04	2.554−04	1.558−15
7	96	1.162+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.929−06	2.370−17
7	97	1.158+02	7.563+04	1.520−07	1.159−07	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	98	1.147+02	1.940+05	7.660−07	5.787−07	1.707−02	6.738−14	9.107−05	0.000−00	0.000−00
7	99	1.145+02	0.000−00	0.000−00	0.000−00	6.825−02	4.021−13	5.395−04	4.110−03	2.422−14
7	100	1.138+02	3.616+05	1.404−06	1.052−06	1.263−00	4.905−12	6.465−03	0.000−00	0.000−00
7	101	1.138+02	0.000−00	0.000−00	0.000−00	1.474−00	8.593−12	1.134−02	1.497−03	8.723−15
7	102	1.124+02	0.000−00	0.000−00	0.000−00	1.021−02	5.807−14	7.386−05	1.685−02	9.580−14
7	103	1.123+02	1.583+05	2.994−07	2.214−07	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	104	1.117+02	2.479+05	9.264−07	6.810−07	2.441−00	9.124−12	1.136−02	0.000−00	0.000−00
7	105	1.113+02	9.194+06	1.709−05	1.253−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	106	1.114+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.632−03	1.214−14
7	107	1.107+02	0.000−00	0.000−00	0.000−00	4.263−00	2.349−11	2.850−02	8.558−04	4.715−15
7	108	1.095+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.967−05	5.012−16
7	110	1.088+02	2.164+05	7.684−07	5.505−07	5.536−01	1.965−12	2.265−03	0.000−00	0.000−00
7	112	1.074+02	9.946+05	3.443−06	2.436−06	4.407−02	1.525−13	1.693−04	0.000−00	0.000−00
7	113	1.065+02	0.000−00	0.000−00	0.000−00	8.895−01	4.534−12	4.894−03	1.327−02	6.762−14
7	114	1.057+02	0.000−00	0.000−00	0.000−00	3.426−00	1.720−11	1.815−02	1.371−03	6.886−15
7	115	1.053+02	2.997+07	4.987−05	3.460−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	116	1.052+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.351−02	1.562−13
7	117	1.051+02	3.064+05	1.014−06	7.014−07	8.564−00	2.834−11	2.940−02	0.000−00	0.000−00
7	118	1.046+02	0.000−00	0.000−00	0.000−00	1.430−00	7.044−12	7.221−03	3.861−08	1.901−19
7	119	1.043+02	8.858+05	2.889−06	1.983−06	1.074−00	3.502−12	3.555−03	0.000−00	0.000−00
7	120	1.043+02	1.150+06	1.874−06	1.287−06	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	121	1.041+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.508−02	1.629−13
7	122	1.038+02	0.000−00	0.000−00	0.000−00	4.335−00	2.100−11	2.099−02	8.466−04	4.100−15
7	123	1.034+02	1.245+07	3.993−05	2.719−05	1.243−00	3.986−12	3.947−03	0.000−00	0.000−00

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i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
7	124	1.008+02	3.694+07	1.126−04	7.479−05	2.720−02	8.293−14	7.609−05	0.000−00	0.000−00
7	125	1.008+02	0.000−00	0.000−00	0.000−00	4.737−02	2.164−13	1.981−04	8.441−02	3.855−13
7	126	1.004+02	7.122+06	1.076−05	7.110−06	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	127	9.837+01	7.749+07	2.248−04	1.456−04	7.718−02	2.239−13	1.907−04	0.000−00	0.000−00
7	128	9.632+01	8.217+05	1.143−06	7.249−07	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	129	9.609+01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.766−00	9.779−12
7	130	9.499+01	0.000−00	0.000−00	0.000−00	7.404−02	3.005−13	2.304−04	9.329−01	3.786−12
7	131	9.470+01	3.636+08	9.778−04	6.097−04	1.224−01	3.292−13	2.502−04	0.000−00	0.000−00
7	132	9.302+01	8.455+08	1.097−03	6.718−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
7	133	9.140+01	1.730+08	4.334−04	2.608−04	5.284−01	1.324−12	9.042−04	0.000−00	0.000−00
7	134	9.082+01	0.000−00	0.000−00	0.000−00	3.132−01	1.162−12	7.790−04	1.158−00	4.296−12
8	26	3.057+02	2.252+09	3.155−02	1.270−01	1.515−00	2.122−11	1.085−00	3.769−07	5.279−18
8	27	3.055+02	2.185+08	1.528−03	6.146−03	1.380+01	9.651−11	4.922−00	0.000−00	0.000−00
8	28	2.982+02	8.300+09	1.660−01	6.519−01	4.839−00	9.677−11	4.593−00	5.775−07	1.155−17
8	29	2.974+02	0.000−00	0.000−00	0.000−00	1.029−01	2.729−12	1.284−01	5.636−06	1.495−16
8	30	2.899+02	2.856+09	3.597−02	1.373−01	7.890−00	9.938−11	4.330−00	1.372−06	1.728−17
8	31	2.789+02	1.237+08	2.164−03	7.949−03	2.907−01	5.084−12	1.973−01	5.350−06	9.358−17
8	32	2.755+02	9.944+08	1.132−02	4.105−02	1.479−00	1.683−11	6.298−01	1.975−07	2.247−18
8	33	2.743+02	1.484+09	8.371−03	3.024−02	4.603−00	2.597−11	9.593−01	0.000−00	0.000−00
8	34	2.730+02	0.000−00	0.000−00	0.000−00	1.232−01	2.755−12	1.003−01	8.014−07	1.791−17
8	35	2.717+02	5.166+08	8.578−03	3.069−02	2.209−01	3.668−12	1.317−01	2.632−06	4.370−17
8	36	2.404+02	1.781+08	7.714−04	2.442−03	1.377−00	5.965−12	1.483−01	0.000−00	0.000−00
8	37	2.377+02	1.791+08	1.517−03	4.746−03	1.758−01	1.489−12	3.577−02	2.917−06	2.470−17
8	38	2.364+02	1.676+10	7.018−02	2.184−01	2.743−00	1.149−11	2.715−01	0.000−00	0.000−00
8	39	2.324+02	1.308+10	1.059−01	3.240−01	5.266−00	4.263−11	9.570−01	7.185−04	5.816−15
8	40	2.271+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.359−01	2.629−12
8	41	2.259+02	3.964+09	4.548−02	1.353−01	1.572−00	1.803−11	3.719−01	2.931−03	3.363−14
8	42	2.254+02	3.707+09	4.233−02	1.256−01	8.492−01	9.698−12	1.986−01	3.787−03	4.325−14
8	43	2.246+02	3.402+07	2.572−04	7.606−04	8.023−02	6.066−13	1.229−02	9.471−05	7.161−16
8	44	2.235+02	0.000−00	0.000−00	0.000−00	7.407−01	1.109−11	2.216−01	6.890−02	1.032−12
8	45	2.207+02	3.208+08	1.172−03	3.406−03	1.811−01	6.617−13	1.273−02	0.000−00	0.000−00
8	46	2.191+02	1.634+07	1.763−04	5.085−04	1.476−00	1.593−11	2.996−01	2.839−02	3.063−13
8	47	2.139+02	2.928+08	2.009−03	5.659−03	1.324−00	9.085−12	1.591−01	1.174−02	8.055−14
8	48	2.127+02	4.674+06	3.171−05	8.883−05	2.914−00	1.977−11	3.405−01	6.951−03	4.716−14
8	49	2.113+02	0.000−00	0.000−00	0.000−00	2.062−00	2.761−11	4.664−01	6.797−03	9.103−14
8	50	2.100+02	7.262+07	7.205−04	1.993−03	9.693−01	9.616−12	1.594−01	1.126−03	1.117−14
8	51	2.093+02	5.659+06	5.573−05	1.536−04	5.620−01	5.535−12	9.077−02	6.570−04	6.470−15
8	52	2.085+02	1.508+06	9.825−06	2.697−05	7.129−01	4.645−12	7.530−02	6.709−04	4.371−15
8	53	2.073+02	1.966+07	6.330−05	1.728−04	6.081−00	1.958−11	3.120−01	0.000−00	0.000−00
8	54	1.990+02	1.100+07	6.533−05	1.712−04	5.438−00	3.229−11	4.556−01	2.667−04	1.584−15
8	55	1.948+02	2.709+07	7.709−05	1.978−04	3.443+01	9.798−11	1.297−00	0.000−00	0.000−00
8	56	1.837+02	1.948+06	9.860−06	2.386−05	9.327−00	4.721−11	5.240−01	4.427−03	2.241−14
8	57	1.804+02	0.000−00	0.000−00	0.000−00	7.534−02	7.352−13	7.724−03	1.104−03	1.078−14
8	58	1.802+02	1.110+07	5.406−05	1.283−04	4.903−01	2.387−12	2.499−02	1.571−02	7.648−14
8	59	1.798+02	1.527+07	1.110−04	2.627−04	2.049−00	1.489−11	1.548−01	6.728−03	4.889−14
8	60	1.779+02	1.382+08	9.841−04	2.306−03	1.342−01	9.555−13	9.634−03	6.129−03	4.364−14
8	61	1.763+02	0.000−00	0.000−00	0.000−00	6.406−01	5.972−12	5.860−02	3.194−03	2.978−14
8	62	1.733+02	5.047+06	3.410−05	7.784−05	2.290−01	1.547−12	1.442−02	1.399−05	9.455−17
8	63	1.732+02	2.155+07	4.844−05	1.105−04	1.354−00	3.044−12	2.828−02	0.000−00	0.000−00
8	64	1.689+02	2.801+07	5.987−05	1.331−04	7.576−00	1.620−11	1.396−01	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
8	65	1.666+02	1.044+08	4.345−04	9.533−04	4.377−00	1.822−11	1.508−01	5.901−07	2.456−18
8	66	1.626+02	3.151+06	1.249−05	2.674−05	9.232−00	3.659−11	2.815−01	2.580−04	1.023−15
8	67	1.553+02	2.570+04	4.646−08	9.501−08	3.443+01	6.224−11	4.171−01	0.000−00	0.000−00
8	70	1.508+02	1.065+06	5.443−06	1.080−05	1.808−04	9.240−16	5.665−06	5.288−06	2.703−17
8	76	1.442+02	1.332+06	4.152−06	7.886−06	3.901−00	1.217−11	6.530−02	1.429−05	4.456−17
9	26	3.331+02	4.936+09	5.475−02	3.602−01	2.050−00	2.273−11	2.256−00	2.018−06	2.238−17
9	27	3.329+02	0.000−00	0.000−00	0.000−00	5.850−01	3.239−12	3.206−01	3.348−07	1.854−18
9	28	3.243+02	3.213+08	5.066−03	3.245−02	2.504−01	3.948−12	3.614−01	5.013−06	7.903−17
9	29	3.233+02	6.254+08	1.307−02	8.344−02	4.413−00	9.220−11	8.363−00	1.332−05	2.783−16
9	30	3.144+02	4.308+09	4.257−02	2.644−01	2.978−01	2.942−12	2.455−01	1.472−05	1.454−16
9	31	3.016+02	1.302+09	1.775−02	1.057−01	8.560−00	1.167−10	8.591−00	6.875−05	9.373−16
9	32	2.976+02	1.480+06	1.311−05	7.705−05	4.953−00	4.385−11	3.102−00	1.467−06	1.299−17
9	33	2.962+02	0.000−00	0.000−00	0.000−00	3.762−00	1.650−11	1.151−00	6.512−09	2.856−20
9	34	2.948+02	4.084+09	7.092−02	4.129−01	6.974−01	1.211−11	8.324−01	8.827−06	1.533−16
9	35	2.932+02	4.036+09	5.202−02	3.013−01	6.561−03	8.456−14	5.722−03	2.394−05	3.086−16
9	36	2.570+02	0.000−00	0.000−00	0.000−00	4.167−00	1.376−11	6.272−01	2.321−04	7.665−16
9	37	2.539+02	2.875+07	1.853−04	9.295−04	1.750−00	1.128−11	4.958−01	7.843−07	5.056−18
9	38	2.525+02	0.000−00	0.000−00	0.000−00	1.956−00	6.229−12	2.691−01	1.089−02	3.468−14
9	39	2.479+02	2.145+09	1.318−02	6.452−02	3.283−00	2.017−11	8.246−01	4.217−02	2.590−13
9	40	2.420+02	0.000−00	0.000−00	0.000−00	1.639−00	2.398−11	9.118−01	4.994−02	7.305−13
9	41	2.405+02	1.480+09	1.284−02	6.099−02	1.527−00	1.325−11	4.948−01	3.844−02	3.334−13
9	42	2.399+02	1.441+09	1.244−02	5.894−02	1.284−00	1.108−11	4.109−01	3.450−02	2.978−13
9	43	2.390+02	7.663+07	4.376−04	2.066−03	1.229−01	7.018−13	2.573−02	4.916−05	2.807−16
9	44	2.378+02	1.414+10	1.599−01	7.510−01	8.029−00	9.078−11	3.278−00	1.482−02	1.676−13
9	45	2.347+02	0.000−00	0.000−00	0.000−00	1.101−01	3.031−13	1.052−02	1.245−05	3.428−17
9	46	2.328+02	4.952+09	4.023−02	1.850−01	2.805−01	2.279−12	7.717−02	1.174−02	9.541−14
9	47	2.270+02	1.159+09	5.971−03	2.678−02	5.173−02	2.664−13	8.367−03	2.448−02	1.261−13
9	48	2.257+02	1.580+08	8.043−04	3.585−03	1.035−01	5.270−13	1.626−02	1.260−02	6.416−14
9	49	2.241+02	1.371+08	1.377−03	6.094−03	2.754−01	2.765−12	8.353−02	1.016−01	1.020−12
9	50	2.226+02	1.634+09	1.214−02	5.341−02	4.926−00	3.661−11	1.084−00	1.334−03	9.912−15
9	51	2.218+02	3.642+08	2.686−03	1.177−02	1.009−00	7.440−12	2.178−01	2.892−04	2.133−15
9	52	2.209+02	2.872+07	1.401−04	6.112−04	8.572−02	4.180−13	1.209−02	2.055−04	1.002−15
9	53	2.195+02	0.000−00	0.000−00	0.000−00	1.002−00	2.413−12	6.854−02	5.995−02	1.444−13
9	54	2.103+02	1.889+08	8.351−04	3.469−03	7.557−01	3.341−12	8.341−02	8.908−03	3.938−14
9	55	2.056+02	0.000−00	0.000−00	0.000−00	8.544−00	1.805−11	4.214−01	8.756−02	1.850−13
9	56	1.933+02	9.444+08	3.527−03	1.347−02	4.410−02	1.647−13	3.194−03	7.318−03	2.734−14
9	57	1.896+02	3.843+08	2.762−03	1.035−02	5.529−01	3.974−12	7.274−02	6.971−04	5.011−15
9	58	1.894+02	5.954+07	2.135−04	7.986−04	1.731−04	6.206−16	1.132−05	1.155−04	4.140−16
9	59	1.889+02	2.974+08	1.591−03	5.938−03	3.905−01	2.089−12	3.781−02	7.656−03	4.096−14
9	60	1.869+02	2.115+06	1.108−05	4.089−05	9.622−01	5.040−12	8.834−02	6.336−03	3.319−14
9	61	1.851+02	1.196+05	8.195−07	2.997−06	2.632−01	1.804−12	3.073−02	7.256−03	4.972−14
9	62	1.818+02	1.206+08	5.978−04	2.147−03	1.386−01	6.873−13	1.109−02	1.048−04	5.197−16
9	63	1.816+02	0.000−00	0.000−00	0.000−00	4.669−00	7.699−12	1.239−01	3.747−03	6.179−15
9	64	1.769+02	0.000−00	0.000−00	0.000−00	1.772+01	2.772−11	4.121−01	2.414−05	3.777−17
9	65	1.744+02	5.631+08	1.713−03	5.902−03	1.534−00	4.667−12	6.651−02	1.237−03	3.764−15
9	66	1.701+02	5.940+06	1.717−05	5.766−05	9.334−01	2.697−12	3.560−02	3.459−02	9.997−14
9	67	1.621+02	0.000−00	0.000−00	0.000−00	7.055−02	9.262−14	1.059−03	1.036−01	1.360−13
9	70	1.571+02	1.726+06	6.389−06	1.983−05	2.751−04	1.019−15	1.061−05	1.104−06	4.087−18
9	76	1.501+02	1.666+08	3.748−04	1.111−03	2.485−02	5.593−14	5.073−04	2.108−02	4.745−14
10	26	3.396+02	0.000−00	0.000−00	0.000−00	2.623−01	2.268−12	3.178−01	1.030−06	8.904−18

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
10	27	3.393+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.193−06	5.148−18
10	28	3.304+02	6.636+09	8.145−02	7.088−01	3.657−01	4.489−12	5.795−01	1.167−09	1.432−20
10	29	3.294+02	9.974+08	1.622−02	1.407−01	1.296−00	2.108−11	2.696−00	6.639−07	1.080−17
10	30	3.202+02	0.000−00	0.000−00	0.000−00	1.507−00	1.158−11	1.360−00	2.703−07	2.077−18
10	31	3.069+02	4.422+08	4.682−03	3.784−02	1.520−00	1.610−11	1.664−00	2.518−08	2.666−19
10	32	3.028+02	0.000−00	0.000−00	0.000−00	1.466−01	1.007−12	1.000−01	6.204−07	4.263−18
10	33	3.013+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.514−07	2.217−18
10	34	2.998+02	1.132+10	1.525−01	1.204−00	1.028+01	1.386−10	1.336+01	7.202−07	9.705−18
10	35	2.982+02	5.499+06	5.498−05	4.318−04	6.621−00	6.620−11	6.282−00	2.794−06	2.794−17
10	36	2.609+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.560−04	2.438−15
10	37	2.577+02	0.000−00	0.000−00	0.000−00	1.291−00	6.425−12	3.935−01	2.289−04	1.139−15
10	38	2.562+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.283−01	3.155−13
10	39	2.515+02	0.000−00	0.000−00	0.000−00	5.946−01	2.818−12	1.604−01	1.123−01	5.321−13
10	40	2.454+02	1.692+10	1.909−01	1.234−00	2.831+01	3.194−10	1.688+01	2.853−02	3.218−13
10	41	2.439+02	5.430+08	3.631−03	2.332−02	3.500−00	2.341−11	1.215−00	4.274−02	2.858−13
10	42	2.433+02	3.452+08	2.297−03	1.472−02	1.093−00	7.273−12	3.747−01	4.666−02	3.104−13
10	43	2.424+02	0.000−00	0.000−00	0.000−00	5.705−01	2.511−12	1.279−01	1.301−03	5.728−15
10	44	2.411+02	4.022+09	3.505−02	2.226−01	4.271−00	3.722−11	1.867−00	5.038−02	4.391−13
10	45	2.379+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.979−05	6.319−17
10	46	2.359+02	2.029+08	1.270−03	7.890−03	2.693−01	1.686−12	7.923−02	1.840−02	1.151−13
10	47	2.300+02	0.000−00	0.000−00	0.000−00	2.995−02	1.187−13	5.171−03	1.376−02	5.458−14
10	48	2.286+02	0.000−00	0.000−00	0.000−00	3.171−00	1.243−11	5.313−01	5.296−03	2.075−14
10	49	2.270+02	2.810+09	2.171−02	1.298−01	1.824+01	1.410−10	5.901−00	4.480−02	3.462−13
10	50	2.255+02	2.809+08	1.606−03	9.538−03	4.322−01	2.471−12	1.014−01	1.817−02	1.039−13
10	51	2.246+02	5.581+06	3.166−05	1.873−04	9.943−04	5.641−15	2.288−04	7.310−03	4.147−14
10	52	2.237+02	0.000−00	0.000−00	0.000−00	9.642−00	3.617−11	1.449−00	5.414−04	2.031−15
10	53	2.223+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.125−03	1.320−14
10	54	2.129+02	0.000−00	0.000−00	0.000−00	4.052−00	1.376−11	4.751−01	1.476−02	5.015−14
10	55	2.081+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.981−03	9.705−15
10	56	1.955+02	0.000−00	0.000−00	0.000−00	1.029+01	2.948−11	7.881−01	9.366−03	2.683−14
10	57	1.917+02	3.271+07	1.802−04	9.099−04	3.446−01	1.899−12	4.787−02	8.092−07	4.459−18
10	58	1.915+02	0.000−00	0.000−00	0.000−00	1.961−00	5.388−12	1.354−01	1.889−05	5.191−17
10	59	1.910+02	8.597+07	3.526−04	1.773−03	2.589−01	1.062−12	2.646−02	1.640−02	6.727−14
10	60	1.889+02	1.307+07	5.244−05	2.609−04	9.872−01	3.962−12	9.562−02	3.342−03	1.341−14
10	61	1.871+02	1.091+08	5.725−04	2.821−03	1.619−01	8.498−13	1.993−02	3.933−03	2.065−14
10	62	1.838+02	1.239+07	4.705−05	2.277−04	2.443−02	9.275−14	2.059−03	3.128−04	1.188−15
10	63	1.836+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.309−03	1.653−15
10	64	1.787+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.311−04	1.570−16
10	65	1.762+02	0.000−00	0.000−00	0.000−00	2.057+01	4.788−11	9.374−01	1.383−03	3.219−15
10	66	1.717+02	0.000−00	0.000−00	0.000−00	9.034−02	1.997−13	3.618−03	3.888−03	8.594−15
10	67	1.636+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.553−03	1.558−15
10	70	1.586+02	9.781+03	2.765−08	1.155−07	8.540−03	2.414−14	3.445−04	1.289−08	3.644−20
10	76	1.514+02	0.000−00	0.000−00	0.000−00	2.713−00	4.658−12	5.779−02	2.319−04	3.982−16
11	26	3.406+02	3.425+06	5.957−05	2.672−04	8.617−01	1.499−11	1.060−00	1.474−05	2.564−16
11	27	3.403+02	3.203+09	2.780−02	1.246−01	1.734−01	1.506−12	1.062−01	0.000−00	0.000−00
11	28	3.314+02	1.098+08	2.712−03	1.183−02	2.127−03	5.253−14	3.420−03	1.001−06	2.473−17
11	29	3.303+02	0.000−00	0.000−00	0.000−00	5.726−00	1.873−10	1.208+01	3.296−07	1.078−17
11	30	3.211+02	1.239+08	1.915−03	8.096−03	1.116−01	1.725−12	1.021−01	2.899−05	4.480−16
11	31	3.077+02	9.236+08	1.966−02	7.966−02	5.207−00	1.109−10	5.777−00	6.660−07	1.418−17
11	32	3.036+02	5.696+09	7.869−02	3.146−01	4.096−01	5.658−12	2.832−01	1.407−06	1.944−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
11	33	3.021+02	4.886+09	3.343−02	1.330−01	1.252−00	8.569−12	4.229−01	0.000−00	0.000−00
11	34	3.006+02	0.000−00	0.000−00	0.000−00	9.182−02	2.488−12	1.209−01	1.176−07	3.184−18
11	35	2.990+02	3.417+09	6.870−02	2.705−01	2.346−03	4.716−14	2.256−03	2.944−06	5.919−17
11	36	2.615+02	3.159+09	1.619−02	5.573−02	3.186−00	1.633−11	5.222−01	0.000−00	0.000−00
11	37	2.583+02	1.893+06	1.893−05	6.438−05	5.571−02	5.571−13	1.717−02	2.344−04	2.344−15
11	38	2.567+02	9.548+07	4.717−04	1.595−03	1.128−01	5.574−13	1.688−02	0.000−00	0.000−00
11	39	2.520+02	3.198+07	3.045−04	1.010−03	2.538−01	2.417−12	6.921−02	3.963−03	3.773−14
11	40	2.459+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.020−03	6.843−14
11	41	2.444+02	1.971+08	2.648−03	8.522−03	2.795−01	3.755−12	9.808−02	1.491−02	2.003−13
11	42	2.438+02	3.012+07	4.025−04	1.292−03	7.867−02	1.051−12	2.726−02	9.118−03	1.218−13
11	43	2.429+02	7.436+06	6.576−05	2.103−04	1.780−00	1.574−11	4.035−01	1.545−04	1.366−15
11	44	2.416+02	0.000−00	0.000−00	0.000−00	2.717−00	4.755−11	1.200−00	1.559−02	2.729−13
11	45	2.384+02	3.130+07	1.333−04	4.186−04	8.794−03	3.746−14	9.082−04	0.000−00	0.000−00
11	46	2.364+02	1.291+10	1.622−01	5.051−01	5.496−01	6.908−12	1.633−01	2.718−02	3.417−13
11	47	2.305+02	5.103+09	4.063−02	1.233−01	1.128−01	8.981−13	1.967−02	1.532−03	1.220−14
11	48	2.291+02	3.802+09	2.991−02	9.022−02	6.697−01	5.269−12	1.133−01	1.289−04	1.014−15
11	49	2.275+02	0.000−00	0.000−00	0.000−00	2.180−01	3.382−12	7.122−02	7.473−02	1.159−12
11	50	2.259+02	1.377+09	1.581−02	4.705−02	1.194−00	1.371−11	2.830−01	3.726−02	4.278−13
11	51	2.251+02	2.294+08	2.613−03	7.744−03	7.749−01	8.826−12	1.801−01	1.818−02	2.071−13
11	52	2.241+02	4.439+06	3.343−05	9.868−05	3.697−01	2.785−12	5.611−02	9.858−03	7.425−14
11	53	2.228+02	5.152+08	1.917−03	5.622−03	3.414−00	1.270−11	2.512−01	0.000−00	0.000−00
11	54	2.133+02	4.201+08	2.865−03	8.044−03	1.537−00	1.048−11	1.819−01	1.262−01	8.608−13
11	55	2.085+02	5.823+09	1.897−02	5.207−02	4.393−02	1.431−13	2.319−03	0.000−00	0.000−00
11	56	1.958+02	1.713+08	9.848−04	2.539−03	1.812−00	1.042−11	1.400−01	2.581−02	1.483−13
11	57	1.920+02	0.000−00	0.000−00	0.000−00	1.028−00	1.136−11	1.440−01	3.995−04	4.417−15
11	58	1.918+02	4.087+07	2.254−04	5.692−04	2.776−01	1.531−12	1.932−02	5.680−03	3.132−14
11	59	1.913+02	7.029+06	5.785−05	1.457−04	1.746−01	1.437−12	1.800−02	4.180−05	3.440−16
11	60	1.892+02	2.968+03	2.390−08	5.957−08	4.810−01	3.874−12	4.697−02	1.054−03	8.491−15
11	61	1.874+02	0.000−00	0.000−00	0.000−00	3.923−02	4.132−13	4.869−03	3.867−03	4.073−14
11	62	1.840+02	2.559+07	1.949−04	4.723−04	5.648−01	4.302−12	4.799−02	4.170−03	3.176−14
11	63	1.839+02	1.155+09	2.926−03	7.083−03	8.417−01	2.132−12	2.371−02	0.000−00	0.000−00
11	64	1.790+02	2.934+09	7.048−03	1.662−02	1.983−00	4.764−12	4.891−02	0.000−00	0.000−00
11	65	1.765+02	2.182+07	1.019−04	2.367−04	2.587−00	1.208−11	1.188−01	7.760−03	3.623−14
11	66	1.720+02	3.917+07	1.737−04	3.933−04	1.491−02	6.609−14	6.015−04	6.862−02	3.043−13
11	67	1.638+02	5.410+07	1.088−04	2.348−04	2.957−00	5.950−12	4.682−02	0.000−00	0.000−00
11	70	1.588+02	1.086+07	6.160−05	1.288−04	6.232−03	3.534−14	2.531−04	5.894−04	3.342−15
11	76	1.516+02	8.077+07	2.781−04	5.550−04	2.235−02	7.695−14	4.793−04	6.173−02	2.125−13
12	26	3.581+02	9.727+08	3.741−02	8.821−02	2.488−01	9.568−12	3.933−01	0.000−00	0.000−00
12	27	3.578+02	1.050+08	2.016−03	4.750−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
12	28	3.480+02	0.000−00	0.000−00	0.000−00	1.582−00	8.615−11	3.247−00	6.696−08	3.646−18
12	29	3.468+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.907−05	2.818−15
12	30	3.366+02	7.883+07	2.678−03	5.935−03	6.974−01	2.369−11	8.084−01	0.000−00	0.000−00
12	31	3.219+02	0.000−00	0.000−00	0.000−00	9.977−01	4.650−11	1.388−00	2.580−06	1.202−16
12	32	3.174+02	3.517+09	1.063−01	2.221−01	3.961−01	1.197−11	3.424−01	0.000−00	0.000−00
12	33	3.159+02	3.387+09	5.066−02	1.054−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
12	34	3.142+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.087−05	6.436−16
12	35	3.124+02	0.000−00	0.000−00	0.000−00	2.208−00	9.691−11	2.644−00	2.755−06	1.210−16
12	36	2.717+02	1.676+09	1.854−02	3.317−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
12	37	2.682+02	8.937+08	1.928−02	3.405−02	4.400−01	9.492−12	1.639−01	0.000−00	0.000−00
12	38	2.666+02	3.180+08	3.388−03	5.946−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
12	39	2.615+02	4.321+08	8.859−03	1.525−02	4.167−01	8.542−12	1.366−01	0.000−00	0.000−00
12	41	2.533+02	0.000−00	0.000−00	0.000−00	2.086−01	6.019−12	8.752−02	4.445−03	1.283−13
12	42	2.526+02	0.000−00	0.000−00	0.000−00	2.238−01	6.423−12	9.266−02	1.908−03	5.479−14
12	43	2.516+02	5.822+08	1.106−02	1.832−02	4.640−01	8.812−12	1.256−01	0.000−00	0.000−00
12	44	2.503+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.491−02	5.604−13
12	45	2.469+02	2.961+07	2.705−04	4.397−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
12	46	2.447+02	0.000−00	0.000−00	0.000−00	1.282−02	3.455−13	4.531−03	7.494−04	2.019−14
12	47	2.384+02	5.835+09	9.941−02	1.560−01	6.437−01	1.097−11	1.329−01	0.000−00	0.000−00
12	48	2.369+02	2.569+09	4.323−02	6.742−02	1.472−01	2.477−12	2.946−02	0.000−00	0.000−00
12	49	2.351+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.866−02	1.282−12
12	50	2.335+02	0.000−00	0.000−00	0.000−00	4.766−00	1.169−10	1.332−00	3.142−02	7.708−13
12	51	2.326+02	0.000−00	0.000−00	0.000−00	2.478−00	6.030−11	6.789−01	1.222−02	2.972−13
12	52	2.316+02	3.210+08	5.163−03	7.874−03	1.442−01	2.319−12	2.578−02	0.000−00	0.000−00
12	53	2.301+02	7.095+09	5.633−02	8.535−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
12	54	2.200+02	2.229+08	3.235−03	4.686−03	4.959−01	7.197−12	6.858−02	0.000−00	0.000−00
12	55	2.149+02	6.788+09	4.699−02	6.649−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
12	56	2.015+02	8.773+08	1.068−02	1.417−02	5.010−01	6.098−12	4.462−02	0.000−00	0.000−00
12	57	1.975+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.941−03	1.155−13
12	58	1.972+02	1.675+08	1.953−03	2.537−03	5.474−01	6.385−12	4.383−02	0.000−00	0.000−00
12	59	1.967+02	0.000−00	0.000−00	0.000−00	1.819−02	3.165−13	2.156−03	3.356−03	5.840−14
12	60	1.945+02	0.000−00	0.000−00	0.000−00	1.449−01	2.466−12	1.624−02	1.159−05	1.973−16
12	61	1.926+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.247−03	2.774−14
12	62	1.890+02	0.000−00	0.000−00	0.000−00	2.265−01	3.641−12	2.201−02	4.831−03	7.766−14
12	63	1.888+02	7.472+08	3.995−03	4.967−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
12	64	1.838+02	2.106+09	1.066−02	1.290−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
12	65	1.811+02	2.813+07	2.765−04	3.297−04	5.875−01	5.776−12	3.068−02	0.000−00	0.000−00
12	66	1.763+02	3.602+08	3.358−03	3.899−03	7.776−02	7.250−13	3.557−03	0.000−00	0.000−00
12	67	1.678+02	1.494+08	6.304−04	6.964−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
12	70	1.625+02	0.000−00	0.000−00	0.000−00	9.667−02	1.148−12	4.407−03	1.624−03	1.929−14
12	76	1.549+02	1.519+08	1.093−03	1.115−03	3.816−02	2.747−13	9.138−04	0.000−00	0.000−00
13	26	3.735+02	3.859+06	5.379−05	3.968−04	4.710−01	6.566−12	9.181−01	1.417−06	1.976−17
13	27	3.731+02	0.000−00	0.000−00	0.000−00	6.808−01	4.737−12	6.606−01	1.998−05	1.390−16
13	28	3.624+02	3.980+08	7.837−03	5.610−02	9.920−02	1.953−12	2.495−01	1.035−07	2.038−18
13	29	3.612+02	1.433+08	3.737−03	2.666−02	3.238−01	8.442−12	1.067−00	8.891−07	2.318−17
13	30	3.501+02	1.160+09	1.421−02	9.827−02	5.954−02	7.294−13	8.402−02	1.960−06	2.401−17
13	31	3.342+02	7.768+08	1.301−02	8.591−02	4.320−01	7.235−12	7.252−01	4.670−06	7.822−17
13	32	3.294+02	2.891+09	3.136−02	2.040−01	2.365−01	2.565−12	2.461−01	2.199−06	2.384−17
13	33	3.277+02	0.000−00	0.000−00	0.000−00	2.176−00	1.168−11	1.103−00	2.966−05	1.592−16
13	34	3.259+02	1.747+09	3.709−02	2.388−01	3.433−00	7.288−11	6.771−00	1.044−06	2.216−17
13	35	3.240+02	6.014+09	9.466−02	6.059−01	1.062−00	1.672−11	1.526−00	4.456−06	7.014−17
13	36	2.804+02	0.000−00	0.000−00	0.000−00	7.965−01	3.130−12	1.852−01	3.063−04	1.204−15
13	37	2.767+02	4.328+09	3.313−02	1.811−01	1.445+01	1.106−10	6.291−00	2.111−06	1.616−17
13	38	2.750+02	0.000−00	0.000−00	0.000−00	2.159−01	8.160−13	4.554−02	3.249−06	1.228−17
13	39	2.696+02	1.765+09	1.282−02	6.825−02	3.389−00	2.461−11	1.294−00	7.088−06	5.148−17
13	40	2.626+02	0.000−00	0.000−00	0.000−00	5.462−00	9.408−11	4.571−00	1.551−02	2.671−13
13	41	2.609+02	2.696+09	2.750−02	1.417−01	6.484−00	6.616−11	3.153−00	4.261−06	4.347−17
13	42	2.602+02	2.139+09	2.170−02	1.115−01	3.223−00	3.270−11	1.546−00	4.111−04	4.171−15
13	43	2.591+02	3.682+08	2.471−03	1.265−02	1.670−02	1.121−13	5.234−03	1.005−03	6.742−15
13	44	2.577+02	1.847+08	2.452−03	1.248−02	9.320−01	1.237−11	5.683−01	3.847−02	5.107−13
13	45	2.541+02	0.000−00	0.000−00	0.000−00	6.358−01	2.051−12	9.025−02	1.737−05	5.601−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
13	46	2.518+02	7.368+08	7.004−03	3.483−02	1.743−00	1.657−11	7.101−01	5.992−02	5.695−13
13	47	2.451+02	1.818+08	1.091−03	5.282−03	6.205−01	3.724−12	1.471−01	5.465−02	3.280−13
13	48	2.435+02	6.720+08	3.982−03	1.915−02	2.228−01	1.320−12	5.116−02	2.798−02	1.658−13
13	49	2.417+02	1.538+10	1.795−01	8.570−01	1.379+01	1.610−10	6.098−00	8.106−04	9.463−15
13	50	2.400+02	1.659+08	1.432−03	6.789−03	2.123−00	1.832−11	6.797−01	8.279−03	7.147−14
13	51	2.390+02	8.419+06	7.207−05	3.402−04	4.498−01	3.850−12	1.410−01	4.863−03	4.163−14
13	52	2.379+02	1.496+08	8.467−04	3.979−03	8.439−00	4.774−11	1.726−00	5.691−05	3.220−16
13	53	2.364+02	0.000−00	0.000−00	0.000−00	5.214−01	1.456−12	5.159−02	9.351−02	2.611−13
13	54	2.257+02	3.308+06	1.684−05	7.508−05	9.977−00	5.080−11	1.568−00	3.340−02	1.700−13
13	55	2.203+02	0.000−00	0.000−00	0.000−00	2.187−00	5.306−12	1.523−01	8.752−02	2.123−13
13	56	2.062+02	2.440+08	1.037−03	4.227−03	1.082−00	4.600−12	1.083−01	1.085−02	4.614−14
13	57	2.021+02	4.457+06	3.637−05	1.452−04	1.637−01	1.336−12	2.957−02	1.728−05	1.410−16
13	58	2.018+02	6.701+07	2.727−04	1.087−03	2.357−01	9.594−13	2.116−02	1.916−03	7.797−15
13	59	2.012+02	1.456+08	8.840−04	3.514−03	3.939−01	2.391−12	5.232−02	2.309−03	1.402−14
13	60	1.990+02	2.587+08	1.536−03	6.035−03	1.620−00	9.616−12	2.033−01	3.128−03	1.857−14
13	61	1.970+02	1.212+07	9.398−05	3.656−04	1.672−02	1.296−13	2.659−03	1.944−03	1.508−14
13	62	1.932+02	1.223+08	6.844−04	2.612−03	4.166−01	2.332−12	4.516−02	2.867−03	1.605−14
13	63	1.930+02	0.000−00	0.000−00	0.000−00	3.827−01	7.125−13	1.375−02	9.312−06	1.734−17
13	64	1.877+02	0.000−00	0.000−00	0.000−00	4.501−01	7.925−13	1.407−02	6.028−04	1.061−15
13	65	1.849+02	2.563+09	8.759−03	3.199−02	1.037+01	3.545−11	6.016−01	7.447−03	2.545−14
13	66	1.800+02	4.697+06	1.521−05	5.406−05	6.432−00	2.082−11	3.258−01	2.870−02	9.292−14
13	67	1.711+02	0.000−00	0.000−00	0.000−00	5.277−00	7.718−12	1.037−01	1.507−01	2.204−13
13	70	1.656+02	6.511+05	2.676−06	8.753−06	1.785−02	7.337−14	8.939−04	2.485−04	1.021−15
13	76	1.577+02	3.770+08	9.374−04	2.921−03	1.394−01	3.465−13	3.650−03	3.365−02	8.366−14
14	26	3.740+02	3.905+08	8.191−03	4.035−02	3.924−01	8.230−12	7.708−01	1.441−05	3.022−16
14	27	3.737+02	1.074+08	1.124−03	5.532−03	2.359−03	2.470−14	2.307−03	0.000−00	0.000−00
14	28	3.630+02	2.306+08	6.833−03	3.266−02	5.167−02	1.531−12	1.309−01	1.116−06	3.307−17
14	29	3.617+02	0.000−00	0.000−00	0.000−00	6.426−01	2.521−11	2.135−00	1.448−05	5.682−16
14	30	3.506+02	1.437+09	2.648−02	1.223−01	1.108−01	2.041−12	1.575−01	3.686−05	6.793−16
14	31	3.347+02	1.704+08	4.292−03	1.892−02	4.341−01	1.094−11	7.340−01	2.877−05	7.248−16
14	32	3.299+02	3.377+09	5.509−02	2.393−01	1.061−00	1.730−11	1.111−00	3.721−07	6.069−18
14	33	3.282+02	4.183+09	3.377−02	1.459−01	3.316−00	2.677−11	1.693−00	0.000−00	0.000−00
14	34	3.263+02	0.000−00	0.000−00	0.000−00	7.494−01	2.393−11	1.488−00	3.705−06	1.183−16
14	35	3.245+02	8.893+08	2.105−02	8.995−02	4.100−00	9.706−11	5.932−00	1.269−06	3.003−17
14	36	2.808+02	1.806+09	1.067−02	3.944−02	1.924−00	1.137−11	4.500−01	0.000−00	0.000−00
14	37	2.771+02	5.462+09	6.286−02	2.294−01	9.501−01	1.093−11	4.161−01	4.791−04	5.514−15
14	38	2.753+02	6.320+08	3.590−03	1.302−02	1.333−05	7.570−17	2.826−06	0.000−00	0.000−00
14	39	2.699+02	2.809+07	3.067−04	1.090−03	5.375−02	5.869−13	2.064−02	5.282−04	5.767−15
14	40	2.629+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.892−03	7.490−14
14	41	2.612+02	6.662+08	1.022−02	3.514−02	5.331−02	8.176−13	2.606−02	1.005−04	1.542−15
14	42	2.605+02	2.498+08	3.810−03	1.307−02	1.174−01	1.791−12	5.660−02	2.540−04	3.875−15
14	43	2.594+02	1.942+08	1.959−03	6.692−03	6.766−01	6.826−12	2.132−01	3.155−06	3.183−17
14	44	2.580+02	0.000−00	0.000−00	0.000−00	1.397−00	2.789−11	8.568−01	1.494−03	2.982−14
14	45	2.543+02	3.409+08	1.653−03	5.536−03	8.052−01	3.904−12	1.149−01	0.000−00	0.000−00
14	46	2.521+02	1.082+08	1.546−03	5.130−03	1.613−02	2.304−13	6.603−03	2.957−02	4.226−13
14	47	2.453+02	8.767+07	7.909−04	2.555−03	2.024−00	1.826−11	4.823−01	3.529−02	3.184−13
14	48	2.437+02	4.365+08	3.887−03	1.248−02	1.245−00	1.109−11	2.872−01	2.319−02	2.065−13
14	49	2.419+02	0.000−00	0.000−00	0.000−00	1.229+01	2.157−10	5.464−00	1.822−02	3.196−13
14	50	2.402+02	9.681+09	1.256−01	3.973−01	3.514−00	4.559−11	1.131−00	3.300−02	4.282−13
14	51	2.392+02	5.500+09	7.078−02	2.229−01	1.186−00	1.526−11	3.737−01	1.543−02	1.985−13

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
14	52	2.382+02	1.138+08	9.675−04	3.034−03	6.237−00	5.304−11	1.282−00	1.851−02	1.574−13
14	53	2.366+02	1.348+09	5.657−03	1.763−02	6.111−02	2.564−13	6.076−03	0.000−00	0.000−00
14	54	2.259+02	3.092+09	2.365−02	7.037−02	6.556−00	5.016−11	1.035−00	9.516−02	7.281−13
14	55	2.205+02	7.099+04	2.588−07	7.516−07	5.623−01	2.050−12	3.934−02	0.000−00	0.000−00
14	56	2.064+02	3.000+09	1.917−02	5.210−02	3.910−00	2.498−11	3.931−01	6.938−03	4.432−14
14	57	2.022+02	0.000−00	0.000−00	0.000−00	5.486−02	6.726−13	9.953−03	1.295−03	1.588−14
14	58	2.020+02	8.305+08	5.079−03	1.351−02	1.962−00	1.200−11	1.769−01	1.782−02	1.089−13
14	59	2.014+02	1.364+07	1.245−04	3.301−04	1.084−01	9.891−13	1.446−02	2.906−06	2.651−17
14	60	1.991+02	1.710+08	1.525−03	3.998−03	2.313−01	2.063−12	2.915−02	1.029−05	9.173−17
14	61	1.971+02	0.000−00	0.000−00	0.000−00	4.580−02	5.337−13	7.315−03	3.134−03	3.652−14
14	62	1.934+02	8.840+07	7.435−04	1.893−03	2.234−01	1.879−12	2.431−02	4.308−03	3.623−14
14	63	1.932+02	9.511+08	2.661−03	6.768−03	1.667−00	4.664−12	6.017−02	0.000−00	0.000−00
14	64	1.879+02	7.374+08	1.950−03	4.825−03	4.684−01	1.239−12	1.470−02	0.000−00	0.000−00
14	65	1.851+02	2.654+09	1.362−02	3.320−02	1.604−00	8.237−12	9.341−02	7.624−03	3.914−14
14	66	1.801+02	9.033+08	4.393−03	1.042−02	3.848−00	1.871−11	1.956−01	6.909−02	3.360−13
14	67	1.712+02	8.393+08	1.844−03	4.157−03	1.405−01	3.086−13	2.771−03	0.000−00	0.000−00
14	70	1.657+02	7.779+06	4.803−05	1.048−04	4.616−03	2.850−14	2.320−04	1.315−04	8.121−16
14	76	1.578+02	1.358+06	5.073−06	1.054−05	2.345−00	8.759−12	6.163−02	4.104−02	1.533−13
15	26	4.104+02	8.241+08	4.162−02	1.125−01	4.725−04	2.386−14	1.476−03	0.000−00	0.000−00
15	27	4.100+02	1.476+09	3.719−02	1.004−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
15	28	3.971+02	0.000−00	0.000−00	0.000−00	4.073−01	2.888−11	1.618−00	2.556−06	1.813−16
15	29	3.956+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.581−04	1.483−14
15	30	3.824+02	1.298+08	5.688−03	1.432−02	5.161−01	2.262−11	1.132−00	0.000−00	0.000−00
15	31	3.635+02	0.000−00	0.000−00	0.000−00	2.363−01	1.404−11	6.036−01	8.544−05	5.078−15
15	32	3.578+02	9.823+07	3.771−03	8.883−03	1.649−04	6.328−15	2.593−04	0.000−00	0.000−00
15	33	3.558+02	3.397+08	6.448−03	1.511−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
15	34	3.537+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.242−05	3.932−15
15	35	3.515+02	0.000−00	0.000−00	0.000−00	9.032−01	5.017−11	1.949−00	1.902−05	1.057−15
15	36	3.007+02	5.963+09	8.085−02	1.601−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
15	37	2.965+02	2.527+09	6.662−02	1.301−01	3.092−00	8.150−11	1.901−00	0.000−00	0.000−00
15	38	2.945+02	3.503+06	4.554−05	8.831−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
15	39	2.883+02	1.794+08	4.470−03	8.485−03	2.683−01	6.686−12	1.433−01	0.000−00	0.000−00
15	41	2.784+02	0.000−00	0.000−00	0.000−00	1.329−01	4.634−12	8.943−02	1.598−04	5.570−15
15	42	2.776+02	0.000−00	0.000−00	0.000−00	1.831−03	6.344−14	1.214−03	5.814−04	2.015−14
15	43	2.764+02	9.781+07	2.240−03	4.077−03	3.093−01	7.083−12	1.338−01	0.000−00	0.000−00
15	44	2.748+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.894−03	8.574−14
15	45	2.706+02	1.784+07	1.958−04	3.489−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
15	46	2.681+02	0.000−00	0.000−00	0.000−00	3.063−01	9.900−12	1.706−01	9.178−03	2.966−13
15	47	2.604+02	3.325+06	6.762−05	1.159−04	8.181−02	1.664−12	2.629−02	0.000−00	0.000−00
15	48	2.587+02	1.373+08	2.754−03	4.691−03	5.340−01	1.071−11	1.659−01	0.000−00	0.000−00
15	49	2.566+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.606−03	1.819−13
15	50	2.547+02	0.000−00	0.000−00	0.000−00	1.901−00	5.545−11	8.196−01	2.359−02	6.881−13
15	51	2.536+02	0.000−00	0.000−00	0.000−00	4.459−01	1.289−11	1.881−01	1.142−02	3.301−13
15	52	2.524+02	3.910+09	7.468−02	1.241−01	3.029−01	5.787−12	8.324−02	0.000−00	0.000−00
15	53	2.506+02	5.537+09	5.214−02	8.605−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
15	54	2.387+02	7.411+09	1.266−01	1.989−01	1.639+01	2.800−10	3.407−00	0.000−00	0.000−00
15	55	2.327+02	4.993+07	4.052−04	6.208−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
15	56	2.170+02	4.774+08	6.742−03	9.635−03	1.715−00	2.422−11	2.215−01	0.000−00	0.000−00
15	57	2.124+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.559−02	6.923−13
15	58	2.121+02	4.205+07	5.672−04	7.921−04	1.901−01	2.564−12	2.189−02	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
15	59	2.115+02	0.000−00	0.000−00	0.000−00	1.150−00	2.314−11	1.959−01	6.538−03	1.315−13
15	60	2.090+02	0.000−00	0.000−00	0.000−00	2.124−02	4.173−13	3.408−03	2.882−03	5.662−14
15	61	2.068+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.182−03	8.160−14
15	62	2.027+02	0.000−00	0.000−00	0.000−00	2.821−00	5.212−11	3.882−01	3.429−03	6.334−14
15	63	2.024+02	7.845+08	4.820−03	6.424−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
15	64	1.966+02	1.055+08	6.115−04	7.916−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
15	65	1.935+02	2.327+09	2.614−02	3.331−02	3.709−02	4.166−13	2.702−03	0.000−00	0.000−00
15	66	1.881+02	7.730+07	8.203−04	1.016−03	8.799−00	9.338−11	5.563−01	0.000−00	0.000−00
15	67	1.784+02	3.784+09	1.806−02	2.122−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
15	70	1.725+02	0.000−00	0.000−00	0.000−00	3.657−01	4.892−12	2.245−02	1.214−02	1.624−13
15	76	1.640+02	5.874+08	4.735−03	5.112−03	4.161−00	3.354−11	1.322−01	0.000−00	0.000−00
16	26	4.921+02	4.935+06	3.583−04	1.161−03	9.339−03	6.781−13	7.230−02	0.000−00	0.000−00
16	27	4.915+02	5.958+07	2.158−03	6.984−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
16	28	4.730+02	0.000−00	0.000−00	0.000−00	2.554−03	2.571−13	2.435−02	1.547−08	1.557−18
16	29	4.709+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.216−06	1.617−16
16	30	4.523+02	7.740+06	4.748−04	1.414−03	3.071−05	1.884−15	1.560−04	0.000−00	0.000−00
16	31	4.262+02	0.000−00	0.000−00	0.000−00	1.236−03	1.010−13	6.994−03	1.583−06	1.293−16
16	32	4.184+02	2.204+07	1.157−03	3.187−03	4.263−04	2.237−14	1.466−03	0.000−00	0.000−00
16	33	4.156+02	4.894+06	1.268−04	3.469−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
16	34	4.127+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.518−07	2.572−17
16	35	4.097+02	0.000−00	0.000−00	0.000−00	1.464−02	1.106−12	6.802−02	2.037−08	1.538−18
16	36	3.424+02	7.648+08	1.344−02	3.030−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
16	37	3.369+02	2.010+07	6.843−04	1.518−03	1.263−02	4.298−13	1.471−02	0.000−00	0.000−00
16	38	3.343+02	1.577+07	2.642−04	5.816−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
16	39	3.264+02	4.038+06	1.290−04	2.771−04	1.669−03	5.331−14	1.658−03	0.000−00	0.000−00
16	41	3.137+02	0.000−00	0.000−00	0.000−00	3.416−00	1.512−10	4.176−00	6.209−05	2.748−15
16	42	3.127+02	0.000−00	0.000−00	0.000−00	3.673−00	1.615−10	4.417−00	2.837−04	1.247−14
16	43	3.112+02	1.994+09	5.788−02	1.186−01	1.537−00	4.462−11	1.203−00	0.000−00	0.000−00
16	44	3.091+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.802−06	2.179−16
16	45	3.039+02	8.582+09	1.188−01	2.377−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
16	46	3.007+02	0.000−00	0.000−00	0.000−00	1.042−03	4.235−14	1.030−03	1.240−07	5.040−18
16	47	2.911+02	6.664+08	1.693−02	3.245−02	5.946−01	1.511−11	3.334−01	0.000−00	0.000−00
16	48	2.889+02	9.974+08	2.496−02	4.748−02	3.988−01	9.979−12	2.153−01	0.000−00	0.000−00
16	49	2.863+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.345−04	6.613−15
16	50	2.839+02	0.000−00	0.000−00	0.000−00	3.108−01	1.127−11	2.308−01	5.928−04	2.150−14
16	51	2.825+02	0.000−00	0.000−00	0.000−00	6.485−02	2.328−12	4.699−02	9.197−05	3.302−15
16	52	2.811+02	6.583+07	1.560−03	2.886−03	1.532−03	3.630−14	7.213−04	0.000−00	0.000−00
16	53	2.789+02	5.058+08	5.899−03	1.083−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
16	54	2.642+02	3.708+06	7.761−05	1.350−04	8.271−02	1.731−12	2.856−02	0.000−00	0.000−00
16	55	2.569+02	6.448+08	6.377−03	1.079−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
16	56	2.379+02	1.704+09	2.893−02	4.532−02	1.312−01	2.227−12	2.683−02	0.000−00	0.000−00
16	57	2.324+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.099−04	2.298−14
16	58	2.320+02	1.332+10	2.149−01	3.284−01	2.454−01	3.960−12	4.425−02	0.000−00	0.000−00
16	59	2.313+02	0.000−00	0.000−00	0.000−00	2.334−00	5.616−11	6.217−01	1.163−01	2.797−12
16	60	2.283+02	0.000−00	0.000−00	0.000−00	6.374−01	1.494−11	1.590−01	1.356−02	3.178−13
16	61	2.257+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.551−02	4.737−13
16	62	2.208+02	0.000−00	0.000−00	0.000−00	4.573−01	1.002−11	9.649−02	4.885−03	1.071−13
16	63	2.205+02	1.471+09	1.072−02	1.557−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
16	64	2.136+02	1.231+09	8.416−03	1.183−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
16	65	2.100+02	7.861+08	1.039−02	1.437−02	3.366−02	4.450−13	3.686−03	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
16	66	2.036+02	3.477+08	4.323−03	5.795−03	6.544−01	8.136−12	6.146−02	0.000−00	0.000−00
16	67	1.923+02	3.119+09	1.729−02	2.189−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
16	70	1.854+02	0.000−00	0.000−00	0.000−00	1.316−00	2.034−11	1.160−01	9.190−04	1.421−14
16	76	1.756+02	2.095+08	1.937−03	2.239−03	1.346−00	1.244−11	6.029−02	0.000−00	0.000−00
17	26	5.185+02	2.747+07	1.107−03	7.559−03	2.179−02	8.783−13	2.191−01	7.638−08	3.079−18
17	27	5.179+02	5.802+07	1.166−03	7.954−03	1.607−02	3.231−13	8.031−02	0.000−00	0.000−00
17	28	4.974+02	8.331+06	4.635−04	3.036−03	2.861−05	1.592−15	3.506−04	3.106−08	1.728−18
17	29	4.951+02	0.000−00	0.000−00	0.000−00	1.696−02	1.246−12	2.706−01	3.058−06	2.247−16
17	30	4.745+02	7.212+05	2.435−05	1.522−04	8.113−03	2.739−13	5.238−02	9.469−10	3.197−20
17	31	4.459+02	2.131+06	9.528−05	5.594−04	2.136−04	9.547−15	1.514−03	7.122−06	3.184−16
17	32	4.373+02	1.621+06	4.648−05	2.676−04	5.537−04	1.587−14	2.375−03	5.135−07	1.472−17
17	33	4.343+02	9.177+07	1.298−03	7.422−03	3.126−07	4.420−18	6.480−07	0.000−00	0.000−00
17	34	4.311+02	0.000−00	0.000−00	0.000−00	2.831−03	1.578−13	2.262−02	6.009−07	3.349−17
17	35	4.278+02	2.013+07	8.286−04	4.668−03	5.624−04	2.315−14	3.244−03	2.699−06	1.111−16
17	36	3.550+02	2.294+09	2.167−02	1.013−01	1.001−01	9.459−13	7.570−02	0.000−00	0.000−00
17	37	3.491+02	1.320+07	2.411−04	1.108−03	9.784−02	1.788−12	1.361−01	1.551−05	2.833−16
17	38	3.463+02	9.935+07	8.930−04	4.072−03	8.755−03	7.869−14	5.848−03	0.000−00	0.000−00
17	39	3.378+02	3.073+05	5.256−06	2.338−05	9.077−03	1.552−13	1.070−02	9.860−05	1.686−15
17	40	3.268+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.371−06	9.492−17
17	41	3.242+02	1.553+08	3.672−03	1.568−02	2.772−00	6.554−11	3.997−00	1.552−04	3.668−15
17	42	3.231+02	4.795+08	1.126−02	4.791−02	2.784−00	6.537−11	3.946−00	9.537−05	2.239−15
17	43	3.215+02	3.194+09	4.950−02	2.096−01	4.319−00	6.693−11	3.981−00	6.658−05	1.032−15
17	44	3.193+02	0.000−00	0.000−00	0.000−00	8.956−03	2.739−13	1.596−02	2.819−07	8.619−18
17	45	3.137+02	3.666+08	2.705−03	1.118−02	6.991−00	5.159−11	2.851−00	0.000−00	0.000−00
17	46	3.103+02	2.199+05	4.762−06	1.946−05	6.409−02	1.388−12	7.423−02	2.157−05	4.671−16
17	47	3.001+02	2.016+09	2.722−02	1.076−01	3.100−01	4.187−12	2.026−01	3.878−04	5.237−15
17	48	2.978+02	2.164+09	2.878−02	1.129−01	1.804−01	2.398−12	1.133−01	5.535−05	7.359−16
17	49	2.951+02	0.000−00	0.000−00	0.000−00	1.680−01	4.387−12	2.017−01	3.209−04	8.379−15
17	50	2.925+02	8.242+08	1.586−02	6.111−02	4.924−01	9.476−12	4.245−01	7.651−06	1.472−16
17	51	2.911+02	2.111+09	4.022−02	1.542−01	1.867−00	3.556−11	1.569−00	1.860−06	3.544−17
17	52	2.895+02	1.330+08	1.671−03	6.371−03	6.797−02	8.541−13	3.709−02	1.509−05	1.896−16
17	53	2.872+02	2.795+09	1.728−02	6.537−02	1.611−01	9.958−13	4.222−02	0.000−00	0.000−00
17	54	2.716+02	8.246+07	9.121−04	3.262−03	4.332−01	4.792−12	1.718−01	1.524−03	1.686−14
17	55	2.639+02	3.435+09	1.793−02	6.230−02	3.207−01	1.674−12	5.503−02	0.000−00	0.000−00
17	56	2.439+02	5.266+08	4.698−03	1.509−02	1.332−01	1.188−12	3.085−02	3.571−02	3.185−13
17	57	2.381+02	0.000−00	0.000−00	0.000−00	1.473−02	2.503−13	6.045−03	2.081−03	3.536−14
17	58	2.377+02	3.786+09	3.207−02	1.004−01	8.778−02	7.437−13	1.788−02	1.797−02	1.522−13
17	59	2.370+02	1.063+10	1.342−01	4.189−01	8.515−00	1.075−10	2.560−00	2.549−02	3.219−13
17	60	2.338+02	4.941+09	6.074−02	1.870−01	2.765−00	3.399−11	7.776−01	6.897−02	8.479−13
17	61	2.311+02	0.000−00	0.000−00	0.000−00	3.564−00	5.705−11	1.259−00	6.532−02	1.045−12
17	62	2.259+02	2.580+08	2.961−03	8.810−03	6.837−01	7.848−12	1.619−01	1.277−02	1.465−13
17	63	2.256+02	4.166+09	1.590−02	4.725−02	2.952−01	1.127−12	2.316−02	0.000−00	0.000−00
17	64	2.184+02	3.157+09	1.129−02	3.247−02	7.511−01	2.686−12	5.007−02	0.000−00	0.000−00
17	65	2.146+02	1.513+09	1.045−02	2.954−02	2.044−00	1.412−11	2.498−01	1.825−02	1.260−13
17	66	2.080+02	2.758+09	1.789−02	4.900−02	2.809−00	1.822−11	2.935−01	1.216−01	7.885−13
17	67	1.962+02	9.443+08	2.725−03	7.042−03	3.994−00	1.153−11	1.558−01	0.000−00	0.000−00
17	70	1.890+02	3.488+08	2.803−03	6.977−03	8.626−01	6.931−12	8.376−02	4.558−03	3.662−14
17	76	1.789+02	7.300+08	3.501−03	8.246−03	7.067−03	3.389−14	3.470−04	1.235−02	5.922−14
18	26	5.273+02	8.236+07	6.867−03	2.384−02	2.066−02	1.722−12	2.260−01	0.000−00	0.000−00
18	27	5.267+02	2.132+08	8.868−03	3.075−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
18	28	5.055+02	0.000−00	0.000−00	0.000−00	1.025−01	1.178−11	1.361−00	6.151−07	7.070−17
18	29	5.031+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.796−05	1.032−14
18	30	4.819+02	2.248+08	1.566−02	4.969−02	5.510−08	3.837−18	3.843−07	0.000−00	0.000−00
18	31	4.524+02	0.000−00	0.000−00	0.000−00	2.061−02	1.897−12	1.571−01	2.475−05	2.279−15
18	32	4.436+02	2.242+07	1.322−03	3.862−03	2.031−02	1.198−12	9.355−02	0.000−00	0.000−00
18	33	4.405+02	2.281+08	6.637−03	1.925−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
18	34	4.372+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.409−05	2.761−15
18	35	4.338+02	0.000−00	0.000−00	0.000−00	8.386−02	7.099−12	5.186−01	8.643−06	7.317−16
18	36	3.591+02	1.096+09	2.118−02	5.007−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
18	37	3.531+02	4.919+08	1.839−02	4.274−02	2.549−00	9.530−11	3.753−00	0.000−00	0.000−00
18	38	3.502+02	9.914+03	1.823−07	4.204−07	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
18	39	3.415+02	5.704+07	1.994−03	4.484−03	3.532−01	1.235−11	4.400−01	0.000−00	0.000−00
18	41	3.277+02	0.000−00	0.000−00	0.000−00	3.761−01	1.816−11	5.717−01	7.525−06	3.634−16
18	42	3.265+02	0.000−00	0.000−00	0.000−00	5.244−01	2.515−11	7.835−01	1.277−06	6.125−17
18	43	3.249+02	1.283+09	4.061−02	8.686−02	2.290−01	7.250−12	2.225−01	0.000−00	0.000−00
18	44	3.227+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.427−04	1.515−14
18	45	3.170+02	1.351+07	2.035−04	4.248−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
18	46	3.135+02	0.000−00	0.000−00	0.000−00	1.110−01	4.904−12	1.352−01	3.483−04	1.539−14
18	47	3.031+02	3.930+08	1.082−02	2.160−02	4.837−01	1.332−11	3.318−01	0.000−00	0.000−00
18	48	3.007+02	1.280+09	3.471−02	6.872−02	4.257−02	1.154−12	2.807−02	0.000−00	0.000−00
18	49	2.979+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.778−04	9.465−15
18	50	2.953+02	0.000−00	0.000−00	0.000−00	3.196−01	1.254−11	2.890−01	1.195−04	4.687−15
18	51	2.938+02	0.000−00	0.000−00	0.000−00	1.085−01	4.214−12	9.564−02	2.148−05	8.341−16
18	52	2.922+02	2.157+09	5.524−02	1.063−01	2.722−00	6.970−11	1.557−00	0.000−00	0.000−00
18	53	2.899+02	1.381+09	1.740−02	3.322−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
18	54	2.740+02	1.094+07	2.462−04	4.442−04	3.567−02	8.032−13	1.479−02	0.000−00	0.000−00
18	55	2.661+02	5.217+09	5.540−02	9.708−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
18	56	2.459+02	7.413+09	1.344−01	2.175−01	2.501−00	4.533−11	6.028−01	0.000−00	0.000−00
18	57	2.399+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.535−02	5.298−13
18	58	2.396+02	9.922+08	1.707−02	2.693−02	1.254−01	2.158−12	2.654−02	0.000−00	0.000−00
18	59	2.388+02	0.000−00	0.000−00	0.000−00	7.627−01	1.956−11	2.383−01	1.008−02	2.585−13
18	60	2.356+02	0.000−00	0.000−00	0.000−00	2.049−01	5.114−12	5.984−02	1.283−03	3.202−14
18	61	2.328+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.092−02	1.655−12
18	62	2.276+02	0.000−00	0.000−00	0.000−00	8.315−01	1.937−11	2.043−01	1.290−02	3.006−13
18	63	2.273+02	1.287+10	9.969−02	1.492−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
18	64	2.200+02	4.844+09	3.513−02	5.088−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
18	65	2.161+02	3.447+09	4.829−02	6.872−02	7.982−01	1.118−11	1.010−01	0.000−00	0.000−00
18	66	2.094+02	2.295+07	3.018−04	4.162−04	1.103+01	1.450−10	1.192−00	0.000−00	0.000−00
18	67	1.975+02	3.819+06	2.233−05	2.903−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
18	70	1.902+02	0.000−00	0.000−00	0.000−00	8.571−02	1.394−12	8.581−03	5.630−04	9.159−15
18	76	1.799+02	7.135+06	6.924−05	8.201−05	5.946−01	5.770−12	3.005−02	0.000−00	0.000−00
19	26	5.624+02	9.068+07	2.867−03	3.185−02	2.407−02	7.609−13	3.634−01	4.411−05	1.394−15
19	27	5.617+02	0.000−00	0.000−00	0.000−00	8.707−02	1.373−12	6.530−01	9.923−05	1.565−15
19	28	5.377+02	5.213+06	2.259−04	2.400−03	1.699−03	7.362−14	3.072−02	5.121−06	2.219−16
19	29	5.350+02	7.810+08	4.468−02	4.721−01	2.662−06	1.523−16	6.257−05	4.677−05	2.676−15
19	30	5.111+02	5.620+07	1.467−03	1.481−02	3.557−04	9.286−15	3.327−03	9.908−05	2.587−15
19	31	4.780+02	2.173+08	7.444−03	7.028−02	6.122−04	2.097−14	6.146−03	2.303−04	7.888−15
19	32	4.681+02	3.241+07	7.098−04	6.563−03	1.899−01	4.160−12	1.145−00	1.082−06	2.369−17
19	33	4.647+02	0.000−00	0.000−00	0.000−00	6.578−05	7.100−16	1.913−04	9.731−05	1.050−15
19	34	4.611+02	1.340+08	5.696−03	5.187−02	5.467−01	2.323−11	6.112−00	1.731−05	7.355−16

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
19	35	4.573+02	1.209+08	3.791−03	3.424−02	6.471−01	2.029−11	5.209−00	7.117−05	2.232−15
19	36	3.750+02	0.000−00	0.000−00	0.000−00	7.262−02	5.104−13	7.226−02	3.833−04	2.694−15
19	37	3.685+02	8.480+06	1.151−04	8.376−04	9.223−01	1.252−11	1.681−00	9.414−04	1.278−14
19	38	3.654+02	0.000−00	0.000−00	0.000−00	4.635−03	3.092−14	4.047−03	2.120−05	1.414−16
19	39	3.559+02	9.683+05	1.226−05	8.615−05	2.755−02	3.487−13	4.218−02	7.593−05	9.611−16
19	40	3.438+02	0.000−00	0.000−00	0.000−00	2.481−00	7.325−11	7.986−00	8.425−06	2.487−16
19	41	3.409+02	9.433+07	1.643−03	1.106−02	1.795−01	3.126−12	3.323−01	3.014−06	5.250−17
19	42	3.397+02	1.266+08	2.191−03	1.470−02	2.681−02	4.637−13	4.877−02	1.396−04	2.415−15
19	43	3.379+02	1.207+09	1.377−02	9.193−02	2.407−03	2.747−14	2.844−03	5.258−05	6.000−16
19	44	3.355+02	2.234+07	5.027−04	3.331−03	6.082−01	1.368−11	1.387−00	2.042−06	4.593−17
19	45	3.293+02	0.000−00	0.000−00	0.000−00	4.760−06	2.580−17	2.473−06	9.428−06	5.110−17
19	46	3.255+02	1.548+07	2.460−04	1.582−03	1.873−02	2.975−13	2.756−02	7.468−05	1.187−15
19	47	3.144+02	1.038+08	1.025−03	6.367−03	1.072−00	1.059−11	8.831−01	3.269−05	3.229−16
19	48	3.118+02	1.810+09	1.759−02	1.083−01	3.191−01	3.100−12	2.522−01	4.663−04	4.531−15
19	49	3.088+02	2.001+06	3.813−05	2.326−04	1.712−00	3.264−11	2.580−00	1.186−05	2.261−16
19	50	3.060+02	8.306+08	1.166−02	7.049−02	4.090−00	5.742−11	4.417−00	3.553−06	4.989−17
19	51	3.044+02	1.988+09	2.761−02	1.660−01	1.068−00	1.484−11	1.123−00	7.255−05	1.008−15
19	52	3.027+02	6.613+09	6.057−02	3.622−01	1.771−05	1.622−16	1.208−05	5.548−04	5.081−15
19	53	3.002+02	0.000−00	0.000−00	0.000−00	1.264−00	5.691−12	4.132−01	7.399−03	3.332−14
19	54	2.832+02	1.757+08	1.409−03	7.879−03	1.048−00	8.404−12	5.124−01	3.924−03	3.146−14
19	55	2.748+02	0.000−00	0.000−00	0.000−00	1.393−00	5.256−12	2.927−01	2.472−03	9.327−15
19	56	2.532+02	6.684+05	4.284−06	2.143−05	5.087−01	3.260−12	1.421−01	7.827−03	5.016−14
19	57	2.469+02	2.977+10	3.628−01	1.770−00	3.201−00	3.901−11	1.577−00	1.949−02	2.375−13
19	58	2.466+02	7.445+07	4.523−04	2.203−03	5.531−02	3.360−13	1.352−02	4.000−03	2.430−14
19	59	2.457+02	2.451+07	2.219−04	1.077−03	9.809−02	8.880−13	3.537−02	8.418−04	7.621−15
19	60	2.424+02	5.774+09	5.084−02	2.434−01	4.551−00	4.007−11	1.531−00	5.372−02	4.730−13
19	61	2.394+02	2.712+09	3.106−02	1.469−01	6.569−00	7.525−11	2.771−00	9.439−03	1.081−13
19	62	2.339+02	5.141+09	4.217−02	1.948−01	1.159−00	9.503−12	3.264−01	1.976−02	1.621−13
19	63	2.336+02	0.000−00	0.000−00	0.000−00	8.566−00	2.336−11	7.990−01	1.253−04	3.418−16
19	64	2.258+02	0.000−00	0.000−00	0.000−00	2.015−01	5.136−13	1.588−02	4.965−05	1.266−16
19	65	2.218+02	1.509+08	7.419−04	3.251−03	1.012−00	4.977−12	1.458−01	1.356−04	6.670−16
19	66	2.147+02	8.426+08	3.883−03	1.647−02	1.305−00	6.015−12	1.599−01	1.779−01	8.200−13
19	67	2.022+02	0.000−00	0.000−00	0.000−00	3.091−00	6.314−12	1.401−01	4.084−01	8.343−13
19	70	1.946+02	3.107+08	1.763−03	6.776−03	1.761−03	9.993−15	1.975−04	1.515−03	8.597−15
19	76	1.838+02	6.115+06	2.065−05	7.497−05	3.383−01	1.142−12	1.904−02	2.641−02	8.917−14
20	26	5.594+02	2.381+07	1.117−03	8.227−03	1.226−03	5.749−14	1.801−02	1.060−06	4.971−17
20	27	5.586+02	1.872+07	4.378−04	3.221−03	3.844−02	8.992−13	2.805−01	0.000−00	0.000−00
20	28	5.349+02	1.707+07	1.098−03	7.737−03	4.409−07	2.837−17	7.770−06	4.289−07	2.759−17
20	29	5.322+02	0.000−00	0.000−00	0.000−00	3.550−06	3.015−16	8.133−05	8.502−06	7.220−16
20	30	5.086+02	8.427+07	3.268−03	2.188−02	8.085−03	3.135−13	7.379−02	2.496−06	9.679−17
20	31	4.758+02	6.217+07	3.165−03	1.983−02	8.882−04	4.521−14	8.712−03	1.927−05	9.811−16
20	32	4.660+02	4.936+06	1.607−04	9.863−04	4.410−02	1.436−12	2.600−01	2.253−07	7.335−18
20	33	4.627+02	7.799+07	1.251−03	7.624−03	5.951−02	9.548−13	1.692−01	0.000−00	0.000−00
20	34	4.590+02	0.000−00	0.000−00	0.000−00	2.477−02	1.565−12	2.709−01	3.961−06	2.503−16
20	35	4.553+02	3.857+07	1.798−03	1.078−02	9.964−03	4.645−13	7.845−02	3.970−06	1.851−16
20	36	3.737+02	8.255+06	8.640−05	4.251−04	4.147−01	4.340−12	4.052−01	0.000−00	0.000−00
20	37	3.672+02	1.606+08	3.245−03	1.569−02	3.493−01	7.059−12	6.252−01	4.171−05	8.429−16
20	38	3.641+02	1.190+08	1.183−03	5.670−03	2.407−02	2.391−13	2.065−02	0.000−00	0.000−00
20	39	3.546+02	1.168+07	2.203−04	1.029−03	5.318−02	1.003−12	8.004−02	8.356−06	1.575−16
20	40	3.426+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.404−04	1.058−14

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
20	41	3.398+02	2.295+08	5.957−03	2.665−02	2.059−01	5.345−12	3.751−01	1.002−05	2.600−16
20	42	3.385+02	8.372+07	2.158−03	9.620−03	1.864−01	4.804−12	3.336−01	5.525−06	1.424−16
20	43	3.368+02	6.925+08	1.178−02	5.223−02	1.476−00	2.510−11	1.716−00	6.264−06	1.065−16
20	44	3.344+02	0.000−00	0.000−00	0.000−00	9.616−02	3.224−12	2.157−01	8.414−05	2.821−15
20	45	3.283+02	6.566+09	5.304−02	2.293−01	6.600−01	5.331−12	3.374−01	0.000−00	0.000−00
20	46	3.245+02	5.345+06	1.266−04	5.409−04	8.002−03	1.895−13	1.159−02	1.195−06	2.830−17
20	47	3.134+02	2.315+09	3.408−02	1.407−01	2.755−00	4.057−11	2.235−00	7.019−05	1.034−15
20	48	3.108+02	2.942+09	4.262−02	1.745−01	3.679−00	5.330−11	2.864−00	1.703−04	2.466−15
20	49	3.079+02	0.000−00	0.000−00	0.000−00	5.607−01	1.594−11	8.322−01	1.683−05	4.783−16
20	50	3.051+02	5.739+08	1.201−02	4.828−02	3.799−01	7.954−12	4.043−01	3.000−06	6.281−17
20	51	3.035+02	1.248+09	2.585−02	1.033−01	2.074−00	4.297−11	2.150−00	1.633−05	3.384−16
20	52	3.018+02	4.978+08	6.799−03	2.702−02	2.158−00	2.948−11	1.451−00	1.691−05	2.309−16
20	53	2.993+02	3.704+08	2.488−03	9.805−03	2.939−01	1.974−12	9.472−02	0.000−00	0.000−00
20	54	2.824+02	2.258+09	2.700−02	1.004−01	2.052−00	2.454−11	9.892−01	7.217−05	8.630−16
20	55	2.741+02	1.274+08	7.173−04	2.589−03	4.462−00	2.512−11	9.253−01	0.000−00	0.000−00
20	56	2.526+02	3.440+08	3.291−03	1.095−02	1.991−01	1.905−12	5.494−02	2.192−02	2.097−13
20	57	2.464+02	0.000−00	0.000−00	0.000−00	2.366−01	4.305−12	1.151−01	4.717−03	8.582−14
20	58	2.460+02	3.249+08	2.947−03	9.545−03	2.496−01	2.263−12	6.027−02	8.810−02	7.990−13
20	59	2.451+02	6.853+09	9.262−02	2.990−01	1.585+01	2.143−10	5.649−00	5.925−02	8.008−13
20	60	2.418+02	8.926+09	1.173−01	3.736−01	6.237−00	8.199−11	2.074−00	1.982−02	2.606−13
20	61	2.388+02	0.000−00	0.000−00	0.000−00	2.063−00	3.529−11	8.602−01	3.357−02	5.741−13
20	62	2.334+02	7.451+06	9.124−05	2.804−04	2.028−00	2.484−11	5.648−01	4.203−06	5.147−17
20	63	2.331+02	1.974+08	8.036−04	2.466−03	6.541−00	2.663−11	6.032−01	0.000−00	0.000−00
20	64	2.253+02	1.806+08	6.875−04	2.040−03	8.313−00	3.164−11	6.479−01	0.000−00	0.000−00
20	65	2.213+02	4.104+09	3.014−02	8.786−02	3.318−00	2.437−11	4.729−01	2.038−04	1.497−15
20	66	2.143+02	6.244+09	4.299−02	1.213−01	4.769−00	3.283−11	5.782−01	5.768−04	3.971−15
20	67	2.018+02	2.300+09	7.019−03	1.865−02	2.757−00	8.415−12	1.237−01	0.000−00	0.000−00
20	70	1.942+02	6.276+07	5.322−04	1.361−03	2.170−03	1.840−14	2.412−04	2.822−04	2.393−15
20	76	1.835+02	5.996+08	3.026−03	7.312−03	7.814−02	3.944−13	4.359−03	5.785−04	2.920−15
21	26	5.841+02	5.360+06	1.827−04	2.108−03	5.225−04	1.782−14	9.528−03	1.158−05	3.949−16
21	27	5.833+02	0.000−00	0.000−00	0.000−00	5.709−03	9.706−14	5.170−02	3.208−05	5.453−16
21	28	5.574+02	2.975+07	1.386−03	1.526−02	9.262−03	4.315−13	2.006−01	1.355−06	6.315−17
21	29	5.545+02	2.059+08	1.265−02	1.386−01	7.101−03	4.365−13	1.997−01	1.052−05	6.465−16
21	30	5.289+02	1.451+06	4.056−05	4.237−04	2.252−02	6.297−13	2.501−01	2.793−05	7.809−16
21	31	4.935+02	7.339+07	2.680−03	2.612−02	3.645−03	1.331−13	4.294−02	5.745−05	2.098−15
21	32	4.830+02	6.742+05	1.572−05	1.500−04	6.534−02	1.524−12	4.609−01	1.532−06	3.573−17
21	33	4.794+02	0.000−00	0.000−00	0.000−00	3.410−02	3.916−13	1.158−01	3.909−05	4.489−16
21	34	4.755+02	7.970+07	3.602−03	3.384−02	2.223−01	1.005−11	2.899−00	5.142−06	2.324−16
21	35	4.715+02	2.062+07	6.874−04	6.402−03	2.393−01	7.976−12	2.244−00	1.179−05	3.930−16
21	36	3.845+02	0.000−00	0.000−00	0.000−00	5.230−01	3.864−12	5.897−01	1.792−04	1.324−15
21	37	3.776+02	2.916+08	4.157−03	3.101−02	8.389−02	1.196−12	1.728−01	2.858−04	4.073−15
21	38	3.744+02	0.000−00	0.000−00	0.000−00	1.045−02	7.321−14	1.031−02	2.534−05	1.774−16
21	39	3.644+02	2.047+07	2.716−04	1.955−03	2.942−02	3.905−13	5.071−02	3.925−05	5.209−16
21	40	3.517+02	0.000−00	0.000−00	0.000−00	5.052−01	1.562−11	1.824−00	3.846−05	1.189−15
21	41	3.487+02	2.508+08	4.573−03	3.150−02	6.722−01	1.225−11	1.395−00	1.031−05	1.880−16
21	42	3.474+02	8.190+08	1.482−02	1.017−01	2.295−01	4.152−12	4.674−01	4.267−08	7.723−19
21	43	3.456+02	1.065+09	1.271−02	8.675−02	1.799−01	2.148−12	2.379−01	3.853−08	4.599−19
21	44	3.430+02	1.101+04	2.590−07	1.755−06	4.666−02	1.098−12	1.190−01	7.073−05	1.664−15
21	45	3.366+02	0.000−00	0.000−00	0.000−00	1.317−02	7.459−14	7.636−03	5.567−06	3.152−17
21	46	3.327+02	1.496+07	2.482−04	1.631−03	1.397−02	2.317−13	2.290−02	6.700−05	1.112−15

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
21	47	3.210+02	3.040+06	3.131−05	1.985−04	5.013−01	5.163−12	4.584−01	4.757−05	4.900−16
21	48	3.183+02	7.135+06	7.226−05	4.543−04	1.811−00	1.834−11	1.588−00	1.511−06	1.530−17
21	49	3.152+02	9.112+06	1.810−04	1.127−03	5.295−01	1.052−11	8.840−01	1.512−04	3.003−15
21	50	3.123+02	2.703+09	3.953−02	2.439−01	9.125−01	1.334−11	1.091−00	1.284−04	1.878−15
21	51	3.106+02	5.039+09	7.289−02	4.473−01	7.238−00	1.047−10	8.424−00	9.826−06	1.421−16
21	52	3.089+02	6.441+08	6.142−03	3.747−02	8.554−01	8.156−12	6.451−01	3.805−04	3.628−15
21	53	3.062+02	0.000−00	0.000−00	0.000−00	4.852−01	2.274−12	1.753−01	1.552−03	7.273−15
21	54	2.886+02	1.259+09	1.048−02	5.976−02	2.405−02	2.002−13	1.292−02	6.303−05	5.247−16
21	55	2.799+02	0.000−00	0.000−00	0.000−00	2.217−00	8.676−12	5.104−01	1.802−02	7.054−14
21	56	2.575+02	1.914+09	1.269−02	6.454−02	1.228−00	8.138−12	3.731−01	2.119−02	1.404−13
21	57	2.510+02	7.088+09	8.927−02	4.426−01	3.028−01	3.814−12	1.619−01	3.423−03	4.312−14
21	58	2.506+02	1.476+08	9.268−04	4.588−03	1.421−03	8.919−15	3.768−04	4.259−02	2.674−13
21	59	2.498+02	1.962+08	1.835−03	9.053−03	3.784−01	3.539−12	1.480−01	2.436−03	2.278−14
21	60	2.463+02	9.127+08	8.299−03	4.038−02	5.128−00	4.663−11	1.870−00	3.375−02	3.069−13
21	61	2.432+02	1.499+10	1.773−01	8.516−01	2.732+01	3.231−10	1.248+01	3.373−02	3.988−13
21	62	2.376+02	5.517+09	4.667−02	2.190−01	5.586−00	4.726−11	1.700−00	6.158−02	5.209−13
21	63	2.372+02	0.000−00	0.000−00	0.000−00	5.162−00	1.452−11	5.203−01	8.005−02	2.251−13
21	64	2.292+02	0.000−00	0.000−00	0.000−00	1.258+01	3.303−11	1.068−00	1.458−02	3.830−14
21	65	2.251+02	1.133+10	5.736−02	2.550−01	1.757−03	8.899−15	2.725−04	6.641−02	3.363−13
21	66	2.178+02	2.379+07	1.128−04	4.854−04	7.444−02	3.530−13	9.792−03	2.644−02	1.254−13
21	67	2.049+02	0.000−00	0.000−00	0.000−00	2.847−02	5.975−14	1.380−03	1.450−01	3.043−13
21	70	1.971+02	3.460+07	2.015−04	7.845−04	1.018−00	5.929−12	1.218−01	3.137−03	1.827−14
21	76	1.861+02	6.797+08	2.352−03	8.644−03	2.000−03	6.919−15	1.196−04	3.061−02	1.059−13
22	26	6.166+02	3.807+07	2.170−03	1.762−02	2.906−03	1.657−13	6.949−02	6.897−06	3.931−16
22	27	6.157+02	8.055+07	2.289−03	1.856−02	1.139−03	3.235−14	1.351−02	0.000−00	0.000−00
22	28	5.870+02	2.360+07	1.829−03	1.414−02	5.767−02	4.468−12	1.617−00	2.723−06	2.110−16
22	29	5.837+02	0.000−00	0.000−00	0.000−00	3.914−04	3.999−14	1.423−02	6.691−05	6.836−15
22	30	5.554+02	1.393+08	6.444−03	4.713−02	1.869−03	8.641−14	2.649−02	1.655−05	7.653−16
22	31	5.165+02	6.773+08	4.064−02	2.764−01	3.382−02	2.029−12	5.003−01	1.242−04	7.451−15
22	32	5.050+02	2.335+04	8.929−07	5.938−06	4.415−02	1.688−12	3.892−01	7.597−08	2.905−18
22	33	5.011+02	2.231+07	4.199−04	2.771−03	4.923−01	9.267−12	2.087−00	0.000−00	0.000−00
22	34	4.969+02	0.000−00	0.000−00	0.000−00	3.748−01	2.774−11	6.089−00	2.842−05	2.104−15
22	35	4.925+02	1.052+08	5.740−03	3.722−02	1.944−03	1.060−13	2.266−02	3.904−05	2.129−15
22	36	3.984+02	3.656+07	4.349−04	2.281−03	2.140−01	2.546−12	2.879−01	0.000−00	0.000−00
22	37	3.910+02	3.933+08	9.014−03	4.641−02	9.382−01	2.150−11	2.299−00	1.143−04	2.620−15
22	38	3.875+02	3.230+05	3.634−06	1.854−05	7.774−02	8.748−13	9.106−02	0.000−00	0.000−00
22	39	3.768+02	3.113+06	6.626−05	3.288−04	2.442−02	5.198−13	4.976−02	2.551−07	5.429−18
22	40	3.633+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.292−06	6.393−17
22	41	3.600+02	2.386+07	6.957−04	3.298−03	1.242−01	3.619−12	3.023−01	2.889−05	8.421−16
22	42	3.587+02	5.938+06	1.718−04	8.115−04	3.653−01	1.057−11	8.727−01	2.818−05	8.154−16
22	43	3.567+02	1.761+08	3.359−03	1.578−02	5.079−01	9.689−12	7.869−01	2.667−06	5.088−17
22	44	3.540+02	0.000−00	0.000−00	0.000−00	3.596−01	1.351−11	1.073−00	3.903−08	1.467−18
22	45	3.472+02	5.431+08	4.906−03	2.243−02	3.332−03	3.010−14	2.254−03	0.000−00	0.000−00
22	46	3.430+02	7.835+06	2.073−04	9.361−04	3.638−01	9.625−12	6.949−01	1.480−05	3.915−16
22	47	3.306+02	2.992+08	4.901−03	2.134−02	6.461−02	1.058−12	6.843−02	3.438−05	5.633−16
22	48	3.277+02	1.560+09	2.512−02	1.084−01	4.076−01	6.563−12	4.135−01	4.609−05	7.423−16
22	49	3.245+02	0.000−00	0.000−00	0.000−00	1.664−00	5.252−11	3.210−00	3.675−05	1.160−15
22	50	3.214+02	1.006+08	2.337−03	9.889−03	1.052−00	2.444−11	1.452−00	1.976−04	4.591−15
22	51	3.196+02	1.489+08	3.419−03	1.439−02	5.536−02	1.272−12	7.427−02	2.287−06	5.252−17
22	52	3.177+02	1.618+09	2.449−02	1.025−01	1.380−00	2.089−11	1.199−00	2.315−04	3.503−15

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
22	53	3.150+02	1.754+08	1.304−03	5.408−03	1.229−01	9.140−13	5.110−02	0.000−00	0.000−00
22	54	2.963+02	3.239+09	4.263−02	1.664−01	1.847−00	2.431−11	1.132−00	3.264−05	4.297−16
22	55	2.871+02	4.237+06	2.618−05	9.899−05	5.022−01	3.103−12	1.314−01	0.000−00	0.000−00
22	56	2.637+02	5.937+09	6.187−02	2.148−01	7.266−01	7.573−12	2.483−01	3.987−03	4.155−14
22	57	2.568+02	0.000−00	0.000−00	0.000−00	1.607−00	3.179−11	9.637−01	2.854−02	5.644−13
22	58	2.564+02	5.167+08	5.093−03	1.720−02	4.713−03	4.646−14	1.402−03	8.384−03	8.264−14
22	59	2.555+02	6.544+07	9.610−04	3.234−03	1.078−00	1.583−11	4.726−01	2.114−03	3.105−14
22	60	2.519+02	1.949+09	2.781−02	9.223−02	1.550−00	2.211−11	6.324−01	1.050−03	1.498−14
22	61	2.487+02	0.000−00	0.000−00	0.000−00	1.637−02	3.035−13	8.352−03	6.393−03	1.185−13
22	62	2.428+02	2.407+10	3.190−01	1.020−00	1.477−00	1.957−11	5.010−01	4.273−02	5.663−13
22	63	2.424+02	3.731+09	1.644−02	5.248−02	3.683−00	1.623−11	4.136−01	0.000−00	0.000−00
22	64	2.341+02	2.479+09	1.018−02	3.139−02	1.389−01	5.706−13	1.310−02	0.000−00	0.000−00
22	65	2.298+02	9.669+09	7.653−02	2.315−01	5.079−02	4.020−13	8.725−03	3.597−03	2.847−14
22	66	2.222+02	5.953+09	4.406−02	1.289−01	5.511−01	4.079−12	8.006−02	1.396−02	1.033−13
22	67	2.088+02	1.558+09	5.090−03	1.399−02	8.415−00	2.750−11	4.478−01	0.000−00	0.000−00
22	70	2.007+02	2.950+07	2.671−04	7.057−04	2.315−03	2.096−14	3.031−04	1.054−02	9.543−14
22	76	1.892+02	9.034+07	4.851−04	1.209−03	2.530−00	1.358−11	1.647−01	7.284−03	3.911−14
23	26	1.127+03	2.021+05	7.699−05	5.714−04	1.344−05	5.121−15	6.561−03	0.000−00	0.000−00
23	27	1.124+03	4.244+06	8.042−04	5.952−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
23	28	1.032+03	0.000−00	0.000−00	0.000−00	7.799−04	3.736−13	3.674−01	8.219−10	3.937−19
23	29	1.022+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.011−07	1.886−16
23	30	9.382+02	5.075+05	1.340−04	8.275−04	1.399−03	3.693−13	2.729−01	0.000−00	0.000−00
23	31	8.324+02	0.000−00	0.000−00	0.000−00	1.244−03	3.877−13	2.001−01	2.965−08	9.240−18
23	32	8.030+02	2.212+05	4.277−05	2.261−04	7.761−05	1.500−14	6.951−03	0.000−00	0.000−00
23	33	7.931+02	2.530+06	2.385−04	1.246−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
23	34	7.825+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.724−07	1.000−16
23	35	7.717+02	0.000−00	0.000−00	0.000−00	8.590−04	2.301−13	9.460−02	1.648−08	4.414−18
23	36	5.632+02	1.541+07	7.328−04	2.717−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
23	37	5.485+02	1.573+08	1.419−02	5.126−02	4.589−02	4.140−12	6.113−01	0.000−00	0.000−00
23	38	5.416+02	8.001+05	3.519−05	1.255−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
23	39	5.210+02	5.437+06	4.426−04	1.518−03	3.619−02	2.946−12	3.728−01	0.000−00	0.000−00
23	41	4.895+02	0.000−00	0.000−00	0.000−00	2.162−02	2.331−12	2.446−01	8.442−05	9.099−15
23	42	4.870+02	0.000−00	0.000−00	0.000−00	1.421−02	1.516−12	1.567−01	8.345−05	8.902−15
23	43	4.834+02	3.308+08	2.318−02	7.378−02	1.550−01	1.086−11	1.097−00	0.000−00	0.000−00
23	44	4.785+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.980−06	4.091−16
23	45	4.660+02	2.549+07	8.298−04	2.546−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
23	46	4.585+02	0.000−00	0.000−00	0.000−00	1.354−03	1.280−13	1.104−02	9.432−06	8.918−16
23	47	4.366+02	3.079+07	1.760−03	5.059−03	1.253−01	7.160−12	5.332−01	0.000−00	0.000−00
23	48	4.317+02	1.011+08	5.648−03	1.605−02	4.519−01	2.525−11	1.817−00	0.000−00	0.000−00
23	49	4.260+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.947−05	3.207−15
23	50	4.207+02	0.000−00	0.000−00	0.000−00	8.155−02	6.492−12	4.325−01	4.727−06	3.763−16
23	51	4.177+02	0.000−00	0.000−00	0.000−00	3.299−01	2.588−11	1.687−00	1.773−04	1.391−14
23	52	4.145+02	4.752+08	2.448−02	6.681−02	1.394−01	7.181−12	4.575−01	0.000−00	0.000−00
23	53	4.098+02	2.023+07	5.093−04	1.374−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
23	54	3.788+02	3.772+08	1.622−02	4.046−02	1.514−01	6.511−12	3.165−01	0.000−00	0.000−00
23	55	3.639+02	3.604+08	7.153−03	1.714−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
23	56	3.270+02	2.058+08	6.598−03	1.421−02	1.320−00	4.231−11	1.323−00	0.000−00	0.000−00
23	57	3.166+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.556−03	9.351−14
23	58	3.159+02	5.944+07	1.779−03	3.700−03	2.397−02	7.175−13	2.025−02	0.000−00	0.000−00
23	59	3.146+02	0.000−00	0.000−00	0.000−00	5.415−01	2.410−11	6.714−01	1.073−03	4.778−14

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
23	60	3.091+02	0.000−00	0.000−00	0.000−00	2.606−00	1.120−10	2.958−00	3.341−04	1.435−14
23	61	3.043+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.621−03	9.000−14
23	62	2.954+02	0.000−00	0.000−00	0.000−00	1.503−01	5.901−12	1.362−01	1.412−05	5.543−16
23	63	2.950+02	5.601+09	7.305−02	1.419−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
23	64	2.827+02	8.973+08	1.075−02	2.001−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
23	65	2.764+02	1.185+09	2.716−02	4.943−02	4.169−02	9.552−13	1.805−02	0.000−00	0.000−00
23	66	2.655+02	1.002+10	2.118−01	3.704−01	3.432−01	7.256−12	1.216−01	0.000−00	0.000−00
23	67	2.466+02	8.550+09	7.796−02	1.266−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
23	70	2.354+02	0.000−00	0.000−00	0.000−00	9.661−01	2.407−11	2.807−01	4.599−02	1.146−12
23	76	2.198+02	1.278+10	1.851−01	2.678−01	1.760−00	2.549−11	2.422−01	0.000−00	0.000−00
24	26	1.390+03	5.144+05	1.491−04	2.730−03	5.331−07	1.545−16	7.432−04	4.451−09	1.290−18
24	27	1.386+03	9.442+05	1.359−04	2.481−03	5.756−06	8.287−16	3.947−03	0.000−00	0.000−00
24	28	1.248+03	5.540+03	1.942−06	3.192−05	9.562−05	3.351−14	1.167−01	2.725−10	9.549−20
24	29	1.234+03	0.000−00	0.000−00	0.000−00	1.273−07	5.811−17	1.953−04	3.651−09	1.667−18
24	30	1.114+03	3.017+05	5.611−05	8.229−04	1.000−04	1.860−14	4.599−02	2.924−09	5.437−19
24	31	9.677+02	9.789+05	2.061−04	2.627−03	7.742−05	1.630−14	2.644−02	5.016−08	1.056−17
24	32	9.282+02	5.126+05	6.620−05	8.092−04	4.630−04	5.979−14	8.555−02	1.506−08	1.945−18
24	33	9.149+02	5.523+04	3.466−06	4.176−05	6.427−04	4.033−14	5.527−02	0.000−00	0.000−00
24	34	9.008+02	0.000−00	0.000−00	0.000−00	1.569−04	3.819−14	4.995−02	4.366−09	1.062−18
24	35	8.866+02	3.383+05	5.980−05	6.982−04	4.766−04	8.426−14	1.051−01	2.704−08	4.780−18
24	36	6.220+02	7.827+06	2.270−04	1.859−03	3.506−03	1.017−13	4.378−02	0.000−00	0.000−00
24	37	6.042+02	1.588+07	8.691−04	6.915−03	3.570−04	1.954−14	7.711−03	1.412−05	7.726−16
24	38	5.958+02	1.745+04	4.644−07	3.644−06	2.469−04	6.570−15	2.487−03	0.000−00	0.000−00
24	39	5.710+02	2.569+05	1.255−05	9.441−05	4.503−04	2.201−14	7.333−03	2.215−06	1.083−16
24	40	5.405+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.624−10	8.346−20
24	41	5.334+02	4.558+08	2.916−02	2.048−01	6.514−04	4.167−14	1.132−02	5.944−05	3.803−15
24	42	5.304+02	4.905+08	3.103−02	2.168−01	4.247−03	2.687−13	7.175−02	6.898−05	4.364−15
24	43	5.261+02	3.702+07	1.536−03	1.064−02	4.130−02	1.714−12	4.466−01	1.189−04	4.936−15
24	44	5.203+02	0.000−00	0.000−00	0.000−00	4.313−03	3.501−13	8.821−02	1.741−10	1.413−20
24	45	5.056+02	3.787+06	7.256−05	4.831−04	2.661−01	5.099−12	1.179−00	0.000−00	0.000−00
24	46	4.968+02	2.751+06	1.526−04	9.986−04	2.530−03	1.404−13	3.080−02	1.536−08	8.525−19
24	47	4.712+02	5.998+06	1.996−04	1.239−03	2.980−01	9.918−12	1.857−00	4.612−05	1.535−15
24	48	4.654+02	1.570+07	5.100−04	3.126−03	3.537−01	1.149−11	2.072−00	5.109−05	1.659−15
24	49	4.588+02	0.000−00	0.000−00	0.000−00	1.910−03	1.205−13	2.083−02	2.275−07	1.436−17
24	50	4.527+02	6.296+07	2.902−03	1.730−02	2.832−01	1.305−11	2.167−00	1.334−05	6.148−16
24	51	4.492+02	2.572+08	1.167−02	6.903−02	8.377−01	3.801−11	6.163−00	7.382−05	3.349−15
24	52	4.455+02	7.026+07	2.091−03	1.226−02	1.792−01	5.331−12	8.435−01	4.274−04	1.272−14
24	53	4.400+02	2.718+07	3.945−04	2.286−03	8.738−05	1.268−15	1.934−04	0.000−00	0.000−00
24	54	4.045+02	5.787+07	1.419−03	7.561−03	1.880−02	4.610−13	5.460−02	4.599−06	1.128−16
24	55	3.875+02	1.440+08	1.621−03	8.272−03	3.038−03	3.420−14	3.562−03	0.000−00	0.000−00
24	56	3.460+02	7.222+06	1.296−04	5.905−04	4.143−01	7.435−12	5.511−01	5.893−04	1.058−14
24	57	3.344+02	0.000−00	0.000−00	0.000−00	1.423−02	4.769−13	3.190−02	8.532−06	2.860−16
24	58	3.336+02	3.755+07	6.267−04	2.753−03	3.577−02	5.970−13	3.968−02	1.916−04	3.197−15
24	59	3.321+02	5.353+06	1.328−04	5.809−04	1.542−00	3.826−11	2.509−00	1.425−07	3.536−18
24	60	3.260+02	7.899+06	1.888−04	8.104−04	1.016−01	2.428−12	1.505−01	2.106−05	5.034−16
24	61	3.206+02	0.000−00	0.000−00	0.000−00	4.363−00	1.345−10	7.935−00	1.495−04	4.609−15
24	62	3.109+02	8.015+07	1.742−03	7.130−03	3.488−03	7.581−14	4.076−03	5.872−04	1.276−14
24	63	3.103+02	3.822+09	2.759−02	1.128−01	7.959−03	5.746−14	3.073−03	0.000−00	0.000−00
24	64	2.968+02	1.108+10	7.316−02	2.859−01	5.036−03	3.326−14	1.556−03	0.000−00	0.000−00
24	65	2.899+02	3.130+08	3.944−03	1.506−02	1.765−02	2.223−13	9.692−03	4.361−03	5.494−14

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
24	66	2.779+02	4.716+08	5.462−03	1.999−02	1.123−00	1.301−11	4.997−01	2.622−03	3.036−14
24	67	2.573+02	8.440+07	4.187−04	1.419−03	2.894−01	1.436−12	4.374−02	0.000−00	0.000−00
24	70	2.450+02	3.782+10	5.106−01	1.648−00	4.319−00	5.831−11	1.535−00	4.624−02	6.243−13
24	76	2.282+02	7.070+09	5.521−02	1.659−01	1.824−00	1.425−11	3.030−01	1.471−01	1.149−12
25	26	1.280+04	1.350+03	6.632−05	5.590−03	1.240−09	6.092−17	1.143−01	0.000−00	0.000−00
25	27	1.242+04	1.638+03	3.792−05	3.102−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
25	28	6.253+03	0.000−00	0.000−00	0.000−00	1.487−08	2.615−16	5.720−02	1.108−14	1.948−22
25	29	5.903+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.147−13	1.494−20
25	30	3.895+03	1.431+04	6.508−05	1.669−03	5.014−08	2.280−16	1.205−02	0.000−00	0.000−00
25	31	2.549+03	0.000−00	0.000−00	0.000−00	5.605−07	1.638−15	2.428−02	1.478−10	4.319−19
25	32	2.292+03	1.068+04	1.681−05	2.538−04	9.103−07	1.434−15	1.545−02	0.000−00	0.000−00
25	33	2.213+03	6.455+04	4.740−05	6.906−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
25	34	2.132+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.257−10	3.427−19
25	35	2.054+03	0.000−00	0.000−00	0.000−00	7.191−06	1.365−14	1.059−01	1.278−10	2.427−19
25	36	1.034+03	5.538+05	8.885−05	6.052−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
25	37	9.862+02	8.830+05	2.575−04	1.672−03	3.569−04	1.041−13	8.932−02	0.000−00	0.000−00
25	38	9.641+02	2.893+02	4.031−08	2.559−07	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
25	39	9.007+02	2.578+05	6.273−05	3.720−04	9.503−04	2.312−13	1.512−01	0.000−00	0.000−00
25	41	8.106+02	0.000−00	0.000−00	0.000−00	1.011−02	2.988−12	1.423−00	1.892−06	5.590−16
25	42	8.037+02	0.000−00	0.000−00	0.000−00	5.609−03	1.630−12	7.570−01	1.904−06	5.531−16
25	43	7.939+02	1.997+07	3.774−03	1.973−02	3.281−04	6.200−14	2.775−02	0.000−00	0.000−00
25	44	7.807+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.794−07	1.752−16
25	45	7.480+02	7.175+04	6.019−06	2.965−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
25	46	7.289+02	0.000−00	0.000−00	0.000−00	2.666−03	6.372−13	2.208−01	1.755−06	4.194−16
25	47	6.751+02	7.644+06	1.045−03	4.643−03	4.980−03	6.805−13	1.873−01	0.000−00	0.000−00
25	48	6.634+02	1.106+07	1.459−03	6.372−03	3.126−03	4.125−13	1.077−01	0.000−00	0.000−00
25	49	6.500+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.430−06	1.376−15
25	50	6.378+02	0.000−00	0.000−00	0.000−00	1.403−02	2.567−12	5.959−01	1.056−05	1.932−15
25	51	6.308+02	0.000−00	0.000−00	0.000−00	1.283−03	2.296−13	5.157−02	1.013−08	1.813−18
25	52	6.236+02	1.690+07	1.971−03	8.094−03	1.680−02	1.959−12	4.252−01	0.000−00	0.000−00
25	53	6.130+02	4.377+07	2.466−03	9.951−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
25	54	5.461+02	2.262+07	2.023−03	7.273−03	4.194−02	3.751−12	5.466−01	0.000−00	0.000−00
25	55	5.157+02	4.115+07	1.640−03	5.569−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
25	56	4.446+02	1.581+08	9.372−03	2.743−02	4.878−01	2.892−11	2.274−00	0.000−00	0.000−00
25	57	4.256+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.309−04	1.422−14
25	58	4.244+02	4.550+07	2.458−03	6.868−03	2.380−02	1.286−12	8.794−02	0.000−00	0.000−00
25	59	4.220+02	0.000−00	0.000−00	0.000−00	1.656−01	1.327−11	8.922−01	8.336−05	6.677−15
25	60	4.121+02	0.000−00	0.000−00	0.000−00	6.973−02	5.327−12	3.337−01	1.019−04	7.787−15
25	61	4.036+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.135−04	4.040−14
25	62	3.882+02	0.000−00	0.000−00	0.000−00	8.233−02	5.582−12	2.923−01	3.709−05	2.515−15
25	63	3.874+02	5.802+06	1.305−04	3.330−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
25	64	3.666+02	3.054+09	6.152−02	1.485−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
25	65	3.561+02	1.467+09	5.577−02	1.308−01	2.250−00	8.551−11	3.454−00	0.000−00	0.000−00
25	66	3.382+02	3.590+08	1.231−02	2.741−02	4.273−02	1.466−12	5.072−02	0.000−00	0.000−00
25	67	3.081+02	3.888+09	5.532−02	1.122−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
25	70	2.907+02	0.000−00	0.000−00	0.000−00	2.900−01	1.102−11	2.422−01	7.475−03	2.841−13
25	76	2.673+02	1.654+10	3.545−01	6.241−01	2.089−00	4.476−11	7.653−01	0.000−00	0.000−00
26	68	3.057+02	6.714+07	4.703−04	1.893−03	1.369−00	9.589−12	4.900−01	0.000−00	0.000−00
26	69	2.984+02	2.032+07	2.713−04	1.066−03	5.653−03	7.549−14	3.590−03	2.549−03	3.404−14
26	71	2.877+02	2.519+08	4.688−03	1.776−02	8.703−02	1.620−12	6.902−02	7.218−03	1.343−13

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
26	72	2.772+02	0.000−00	0.000−00	0.000−00	3.657−00	8.425−11	3.211−00	1.443−02	3.323−13
26	73	2.755+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.101−02	5.976−13
26	74	2.745+02	0.000−00	0.000−00	0.000−00	3.763−00	8.499−11	3.145−00	6.300−05	1.423−15
26	77	2.694+02	1.350+09	2.203−02	7.814−02	2.168−01	3.537−12	1.237−01	8.433−03	1.376−13
26	78	2.663+02	3.821+09	4.062−02	1.425−01	1.532−00	1.629−11	5.504−01	3.200−02	3.402−13
26	79	2.616+02	0.000−00	0.000−00	0.000−00	1.503−01	3.084−12	9.879−02	6.117−03	1.255−13
26	80	2.610+02	4.691+08	7.188−03	2.471−02	1.916−00	2.936−11	9.342−01	2.657−03	4.071−14
26	81	2.576+02	8.578+09	4.268−02	1.448−01	3.895−00	1.938−11	5.930−01	0.000−00	0.000−00
26	82	2.527+02	0.000−00	0.000−00	0.000−00	1.826−01	3.497−12	1.010−01	1.715−03	3.283−14
26	83	2.483+02	6.745+09	3.117−02	1.019−01	1.152−00	5.322−12	1.457−01	0.000−00	0.000−00
26	84	2.458+02	8.644+04	7.832−07	2.535−06	1.460−02	1.323−13	3.517−03	2.046−03	1.854−14
26	85	2.461+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.038−04	1.597−14
26	86	2.429+02	6.628+09	5.864−02	1.876−01	5.494−00	4.860−11	1.247−00	6.001−03	5.309−14
26	87	2.421+02	0.000−00	0.000−00	0.000−00	1.315−01	2.311−12	5.870−02	1.097−03	1.928−14
26	88	2.405+02	7.115+08	9.257−03	2.932−02	2.748−00	3.576−11	8.904−01	1.048−03	1.363−14
26	89	2.402+02	1.252+10	1.624−01	5.135−01	5.165−01	6.699−12	1.661−01	1.025−02	1.329−13
26	90	2.367+02	1.674+09	1.406−02	4.383−02	2.827−00	2.374−11	5.634−01	2.597−05	2.181−16
26	91	2.342+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.848−02	3.799−13
26	92	2.337+02	5.604+09	4.588−02	1.412−01	3.020−01	2.472−12	5.645−02	1.816−02	1.486−13
26	93	2.305+02	3.113+06	3.720−05	1.129−04	4.614−01	5.514−12	1.209−01	8.387−04	1.002−14
26	94	2.294+02	0.000−00	0.000−00	0.000−00	4.869−02	7.681−13	1.659−02	3.986−03	6.289−14
26	95	2.279+02	2.418+08	2.823−03	8.473−03	1.876−00	2.191−11	4.639−01	1.657−02	1.935−13
26	96	2.267+02	0.000−00	0.000−00	0.000−00	3.692−00	5.689−11	1.186−00	2.334−02	3.596−13
26	97	2.253+02	4.094+08	1.557−03	4.620−03	4.272−00	1.625−11	3.324−01	0.000−00	0.000−00
26	98	2.213+02	2.921+06	2.145−05	6.251−05	3.978−00	2.921−11	5.667−01	2.614−03	1.920−14
26	99	2.203+02	7.208+08	7.864−03	2.281−02	1.012−00	1.104−11	2.111−01	1.734−04	1.892−15
26	100	2.178+02	8.031+08	5.711−03	1.638−02	4.609−03	3.278−14	6.060−04	3.826−02	2.720−13
26	101	2.180+02	2.761+08	2.950−03	8.466−03	6.581−01	7.030−12	1.303−01	7.165−03	7.655−14
26	102	2.129+02	2.857+09	2.913−02	8.168−02	2.333−00	2.379−11	4.110−01	7.049−03	7.188−14
26	103	2.125+02	9.141+07	3.094−04	8.658−04	2.466+01	8.346−11	1.433−00	0.000−00	0.000−00
26	104	2.101+02	7.231+07	4.786−04	1.324−03	9.433−03	6.243−14	1.036−03	4.086−03	2.704−14
26	105	2.090+02	8.850+08	2.899−03	7.978−03	3.543−01	1.160−12	1.897−02	0.000−00	0.000−00
26	106	2.091+02	0.000−00	0.000−00	0.000−00	6.109−02	8.012−13	1.311−02	4.506−05	5.910−16
26	107	2.067+02	3.019+06	2.900−05	7.895−05	3.696−01	3.551−12	5.612−02	6.076−03	5.838−14
26	108	2.027+02	0.000−00	0.000−00	0.000−00	1.667−02	2.054−13	3.061−03	1.969−06	2.425−17
26	109	2.018+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.334−03	3.560−14
26	110	2.003+02	9.355+07	5.625−04	1.484−03	6.441−03	3.873−14	5.568−04	6.821−03	4.102−14
26	111	1.969+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.687−02	3.904−13
26	112	1.957+02	4.838+08	2.778−03	7.160−03	1.229−00	7.057−12	9.466−02	1.050−02	6.027−14
26	113	1.924+02	1.291+09	1.075−02	2.724−02	1.961−01	1.633−12	2.082−02	2.532−02	2.109−13
26	114	1.898+02	3.247+07	2.631−04	6.577−04	1.302−00	1.055−11	1.292−01	4.256−02	3.449−13
26	115	1.889+02	9.616+06	2.571−05	6.395−05	3.576−01	9.563−13	1.153−02	0.000−00	0.000−00
26	116	1.885+02	0.000−00	0.000−00	0.000−00	2.520−00	2.684−11	3.216−01	2.162−02	2.303−13
26	117	1.879+02	2.237+07	1.184−04	2.930−04	6.865−01	3.634−12	4.314−02	4.992−04	2.642−15
26	118	1.866+02	1.216+08	9.517−04	2.338−03	2.540−01	1.989−12	2.312−02	4.437−02	3.473−13
26	119	1.855+02	2.002+07	1.032−04	2.521−04	1.284−01	6.622−13	7.561−03	5.736−05	2.958−16
26	120	1.854+02	2.941+06	7.579−06	1.850−05	1.205−01	3.105−13	3.540−03	0.000−00	0.000−00
26	121	1.848+02	0.000−00	0.000−00	0.000−00	1.430−01	1.464−12	1.652−02	2.285−04	2.339−15
26	122	1.838+02	1.728+08	1.314−03	3.180−03	1.119−01	8.502−13	9.453−03	1.144−02	8.698−14
26	123	1.828+02	4.759+08	2.384−03	5.738−03	1.898−01	9.509−13	1.039−02	1.024−01	5.130−13

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
26	124	1.748+02	6.965+08	3.192−03	7.350−03	2.706+01	1.240−10	1.186−00	7.497−02	3.436−13
26	125	1.746+02	8.336+08	5.716−03	1.314−02	2.765−05	1.896−16	1.807−06	3.084−03	2.115−14
26	126	1.734+02	2.227+08	5.023−04	1.147−03	2.685+01	6.056−11	5.655−01	0.000−00	0.000−00
26	127	1.675+02	5.157+07	2.170−04	4.787−04	1.425−01	5.996−13	5.044−03	5.408−03	2.275−14
26	128	1.617+02	4.488+08	8.794−04	1.872−03	7.505−02	1.471−13	1.112−03	0.000−00	0.000−00
26	129	1.610+02	0.000−00	0.000−00	0.000−00	8.231−01	6.399−12	4.782−02	1.771−02	1.377−13
26	130	1.580+02	1.422+08	7.978−04	1.659−03	3.649−01	2.047−12	1.444−02	1.236−04	6.934−16
26	131	1.572+02	4.009+06	1.485−05	3.073−05	3.814−01	1.413−12	9.814−03	3.721−03	1.378−14
26	132	1.526+02	9.265+07	1.617−04	3.250−04	5.603−00	9.781−12	6.219−02	0.000−00	0.000−00
26	133	1.483+02	1.118+08	3.684−04	7.192−04	1.377−01	4.539−13	2.648−03	2.200−02	7.250−14
26	134	1.468+02	2.196+07	1.064−04	2.056−04	2.651−00	1.284−11	7.265−02	1.767−02	8.561−14
27	68	3.059+02	1.141+08	1.600−03	3.223−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
27	69	2.986+02	7.134+07	1.908−03	3.752−03	1.211−00	3.239−11	7.720−01	0.000−00	0.000−00
27	71	2.879+02	0.000−00	0.000−00	0.000−00	3.058−00	1.140−10	2.434−00	2.237−04	8.338−15
27	72	2.774+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.293−04	4.287−14
27	74	2.746+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.937−03	2.233−13
27	77	2.695+02	0.000−00	0.000−00	0.000−00	4.018−00	1.313−10	2.300−00	2.806−02	9.171−13
27	78	2.665+02	3.730+09	7.941−02	1.393−01	5.044−01	1.074−11	1.818−01	0.000−00	0.000−00
27	79	2.618+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.001−03	3.699−13
27	80	2.612+02	0.000−00	0.000−00	0.000−00	4.479−00	1.374−10	2.191−00	4.420−03	1.356−13
27	81	2.578+02	8.588+09	8.557−02	1.452−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
27	82	2.529+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.521−03	5.831−14
27	83	2.484+02	1.968+09	1.821−02	2.978−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
27	84	2.460+02	1.090+08	1.977−03	3.202−03	5.404−01	9.804−12	1.305−01	0.000−00	0.000−00
27	86	2.431+02	5.022+08	8.897−03	1.424−02	8.463−01	1.499−11	1.926−01	0.000−00	0.000−00
27	87	2.422+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.937−05	6.818−16
27	88	2.407+02	0.000−00	0.000−00	0.000−00	1.321−03	3.441−14	4.292−04	5.980−04	1.558−14
27	89	2.403+02	0.000−00	0.000−00	0.000−00	1.434−00	3.724−11	4.624−01	4.840−03	1.257−13
27	90	2.368+02	2.980+09	5.011−02	7.813−02	1.226−00	2.061−11	2.450−01	0.000−00	0.000−00
27	92	2.338+02	3.495+09	5.729−02	8.820−02	6.607−01	1.083−11	1.239−01	0.000−00	0.000−00
27	93	2.306+02	0.000−00	0.000−00	0.000−00	1.305−01	3.123−12	3.428−02	2.330−03	5.576−14
27	94	2.295+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.486−03	2.364−13
27	95	2.280+02	0.000−00	0.000−00	0.000−00	1.044−00	2.441−11	2.589−01	9.760−04	2.282−14
27	96	2.268+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.705−03	2.068−13
27	97	2.254+02	2.935+09	2.235−02	3.317−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
27	98	2.214+02	5.521+03	8.117−08	1.184−07	1.044−00	1.535−11	1.491−01	0.000−00	0.000−00
27	99	2.204+02	0.000−00	0.000−00	0.000−00	2.483−00	5.423−11	5.193−01	4.428−03	9.672−14
27	100	2.179+02	3.335+09	4.748−02	6.812−02	5.780−01	8.230−12	7.619−02	0.000−00	0.000−00
27	101	2.181+02	0.000−00	0.000−00	0.000−00	1.472−02	3.147−13	2.920−03	1.930−03	4.127−14
27	102	2.130+02	0.000−00	0.000−00	0.000−00	1.238−00	2.527−11	2.186−01	2.248−02	4.590−13
27	103	2.126+02	1.864+09	1.263−02	1.768−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
27	104	2.102+02	1.808+09	2.396−02	3.316−02	2.557−01	3.387−12	2.815−02	0.000−00	0.000−00
27	105	2.091+02	1.098+08	7.198−04	9.912−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
27	106	2.092+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.911−03	5.016−14
27	107	2.068+02	0.000−00	0.000−00	0.000−00	1.203−00	2.313−11	1.831−01	1.591−03	3.061−14
27	108	2.028+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.213−05	2.992−16
27	110	2.004+02	4.471+07	5.382−04	7.100−04	1.204−00	1.450−11	1.044−01	0.000−00	0.000−00
27	112	1.958+02	1.644+09	1.890−02	2.436−02	8.845−01	1.017−11	6.829−02	0.000−00	0.000−00
27	113	1.925+02	0.000−00	0.000−00	0.000−00	1.823−00	3.039−11	1.940−01	7.550−02	1.259−12
27	114	1.899+02	0.000−00	0.000−00	0.000−00	2.678−00	4.345−11	2.663−01	7.401−02	1.201−12

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
27	115	1.889+02	2.847+02	1.524−09	1.896−09	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
27	116	1.886+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.605−02	9.819−13
27	117	1.880+02	3.546+07	3.757−04	4.650−04	1.019−01	1.080−12	6.417−03	0.000−00	0.000−00
27	118	1.867+02	0.000−00	0.000−00	0.000−00	2.531−01	3.966−12	2.308−02	1.480−02	2.319−13
27	119	1.856+02	2.374+07	2.451−04	2.994−04	1.888−02	1.949−13	1.114−03	0.000−00	0.000−00
27	120	1.855+02	9.977+06	5.146−05	6.284−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
27	121	1.849+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.020−03	4.138−14
27	122	1.839+02	0.000−00	0.000−00	0.000−00	3.470−01	5.279−12	2.939−02	3.288−03	5.003−14
27	123	1.829+02	3.063+06	3.071−05	3.698−05	3.846−00	3.857−11	2.110−01	0.000−00	0.000−00
27	124	1.749+02	1.869+09	1.715−02	1.975−02	1.192+01	1.094−10	5.236−01	0.000−00	0.000−00
27	125	1.747+02	0.000−00	0.000−00	0.000−00	1.598+01	2.194−10	1.046−00	3.593−02	4.931−13
27	126	1.735+02	1.559+09	7.036−03	8.038−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
27	127	1.676+02	4.669+07	3.932−04	4.339−04	1.567−00	1.320−11	5.560−02	0.000−00	0.000−00
27	128	1.618+02	2.189+07	8.584−05	9.142−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
27	129	1.611+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.679−04	2.614−15
27	130	1.580+02	0.000−00	0.000−00	0.000−00	3.531−00	3.966−11	1.400−01	5.521−03	6.200−14
27	131	1.572+02	5.803+07	4.301−04	4.453−04	8.166−01	6.053−12	2.105−02	0.000−00	0.000−00
27	132	1.527+02	3.301+08	1.153−03	1.159−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
27	133	1.483+02	5.512+07	3.636−04	3.551−04	5.949−02	3.925−13	1.146−03	0.000−00	0.000−00
27	134	1.468+02	0.000−00	0.000−00	0.000−00	3.998−03	3.877−14	1.098−04	2.706−02	2.623−13
28	68	3.135+02	0.000−00	0.000−00	0.000−00	4.405−02	2.164−13	1.790−02	2.983−02	1.465−13
28	69	3.059+02	4.312+06	4.033−05	2.437−04	4.027−01	3.766−12	2.894−01	2.478−02	2.318−13
28	71	2.946+02	7.982+07	1.039−03	6.045−03	1.535−00	1.998−11	1.371−00	1.626−02	2.117−13
28	72	2.836+02	7.818+08	1.257−02	7.043−02	2.816−00	4.528−11	2.773−00	2.841−03	4.569−14
28	73	2.818+02	0.000−00	0.000−00	0.000−00	3.197−01	6.345−12	3.811−01	1.216−03	2.414−14
28	74	2.808+02	1.768+09	2.785−02	1.545−01	3.406−00	5.367−11	3.188−00	3.367−03	5.306−14
28	75	2.786+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.735−02	8.693−13
28	77	2.755+02	3.812+08	4.335−03	2.359−02	2.633−00	2.994−11	1.680−00	1.309−04	1.489−15
28	78	2.722+02	4.253+08	3.150−03	1.694−02	2.888−00	2.140−11	1.159−00	4.901−06	3.631−17
28	79	2.673+02	8.708+08	1.244−02	6.569−02	4.412−00	6.303−11	3.232−00	3.413−03	4.875−14
28	80	2.667+02	9.177+07	9.787−04	5.156−03	1.699−00	1.812−11	9.229−01	1.991−03	2.123−14
28	81	2.632+02	0.000−00	0.000−00	0.000−00	3.152−01	1.091−12	5.339−02	3.041−08	1.053−19
28	82	2.580+02	3.568+08	4.750−03	2.421−02	2.571−01	3.422−12	1.578−01	2.740−04	3.647−15
28	83	2.534+02	0.000−00	0.000−00	0.000−00	2.880−00	9.243−12	4.038−01	3.834−03	1.230−14
28	84	2.509+02	1.823+10	1.147−01	5.683−01	3.033−00	1.908−11	8.088−01	4.425−03	2.784−14
28	85	2.511+02	0.000−00	0.000−00	0.000−00	1.436−03	2.263−14	9.618−04	2.102−03	3.312−14
28	86	2.479+02	2.031+07	1.247−04	6.104−04	7.243−01	4.447−12	1.817−01	1.310−02	8.045−14
28	87	2.470+02	1.691+10	2.062−01	1.006−00	1.322+01	1.612−10	6.521−00	1.286−02	1.568−13
28	88	2.454+02	1.495+10	1.349−01	6.539−01	5.935−00	5.356−11	2.124−00	1.969−02	1.777−13
28	89	2.450+02	8.159+07	7.341−04	3.552−03	1.235−00	1.111−11	4.386−01	3.893−04	3.503−15
28	90	2.414+02	6.352+07	3.698−04	1.763−03	1.418−00	8.255−12	3.115−01	4.272−05	2.488−16
28	91	2.388+02	0.000−00	0.000−00	0.000−00	8.566−02	1.220−12	4.460−02	5.432−02	7.738−13
28	92	2.382+02	4.506+08	2.556−03	1.203−02	9.651−02	5.474−13	1.987−02	3.634−03	2.061−14
28	93	2.349+02	1.748+09	1.447−02	6.715−02	5.450−00	4.510−11	1.570−00	2.003−02	1.658−13
28	94	2.338+02	5.373+07	5.869−04	2.710−03	1.521−00	1.662−11	5.698−01	1.785−02	1.950−13
28	95	2.322+02	2.205+07	1.782−04	8.175−04	4.162−01	3.364−12	1.131−01	2.942−03	2.378−14
28	96	2.310+02	1.563+09	1.667−02	7.604−02	7.806−01	8.324−12	2.753−01	2.692−02	2.870−13
28	97	2.295+02	0.000−00	0.000−00	0.000−00	4.418−01	1.163−12	3.773−02	1.294−03	3.406−15
28	98	2.254+02	1.576+08	8.001−04	3.562−03	2.109−00	1.071−11	3.292−01	1.880−03	9.546−15
28	99	2.243+02	4.463+08	3.366−03	1.491−02	4.201−00	3.168−11	9.598−01	1.226−03	9.244−15

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
28	100	2.218+02	3.858+06	1.896−05	8.305−05	1.711−00	8.409−12	2.461−01	1.436−03	7.057−15
28	101	2.219+02	8.077+07	5.963−04	2.614−03	3.251−01	2.400−12	7.040−02	2.058−04	1.519−15
28	102	2.167+02	3.672+08	2.585−03	1.107−02	2.934−01	2.066−12	5.643−02	1.526−05	1.075−16
28	103	2.163+02	0.000−00	0.000−00	0.000−00	2.013−00	4.705−12	1.277−01	1.030−02	2.407−14
28	104	2.138+02	1.178+08	5.381−04	2.272−03	1.073−00	4.900−12	1.285−01	7.089−05	3.238−16
28	105	2.127+02	0.000−00	0.000−00	0.000−00	4.364−00	9.862−12	2.546−01	2.064−03	4.665−15
28	106	2.128+02	1.564+06	1.415−05	5.947−05	1.726−01	1.562−12	4.039−02	1.089−03	9.856−15
28	107	2.103+02	5.507+07	3.650−04	1.516−03	2.531−02	1.677−13	4.185−03	1.620−03	1.074−14
28	108	2.061+02	2.173+08	1.845−03	7.512−03	1.187−00	1.008−11	2.368−01	6.427−06	5.458−17
28	109	2.051+02	0.000−00	0.000−00	0.000−00	2.650−01	2.786−12	6.455−02	3.070−05	3.228−16
28	110	2.036+02	3.650+08	1.512−03	6.082−03	7.535−00	3.122−11	7.074−01	4.880−03	2.022−14
28	111	2.001+02	0.000−00	0.000−00	0.000−00	4.903−01	4.905−12	1.055−01	1.145−02	1.145−13
28	112	1.989+02	2.049+03	8.102−09	3.183−08	7.737−02	3.059−13	6.460−03	1.837−04	7.264−16
28	113	1.955+02	8.873+06	5.085−05	1.964−04	4.856−01	2.783−12	5.582−02	1.064−03	6.096−15
28	114	1.928+02	2.070+08	1.154−03	4.395−03	5.403−01	3.012−12	5.797−02	4.011−04	2.236−15
28	115	1.918+02	0.000−00	0.000−00	0.000−00	2.010+01	3.696−11	7.003−01	8.944−03	1.645−14
28	116	1.914+02	7.196+08	5.271−03	1.993−02	9.364−02	6.859−13	1.292−02	1.502−04	1.100−15
28	117	1.908+02	1.509+05	5.494−07	2.071−06	2.434−00	8.859−12	1.653−01	2.174−03	7.914−15
28	118	1.895+02	4.515+04	2.430−07	9.096−07	2.605−02	1.402−13	2.560−03	5.280−03	2.842−14
28	119	1.883+02	1.673+06	5.932−06	2.207−05	5.070−01	1.797−12	3.222−02	1.781−02	6.314−14
28	120	1.883+02	0.000−00	0.000−00	0.000−00	2.621−01	4.642−13	8.313−03	9.858−03	1.746−14
28	121	1.876+02	2.305+06	1.622−05	6.009−05	2.794−02	1.966−13	3.484−03	1.095−03	7.701−15
28	122	1.866+02	1.163+07	6.072−05	2.239−04	1.524−01	7.961−13	1.389−02	2.263−02	1.182−13
28	123	1.856+02	1.469+06	5.054−06	1.853−05	2.046−00	7.041−12	1.208−01	7.242−03	2.492−14
28	124	1.774+02	1.826+07	5.742−05	2.012−04	5.306−01	1.668−12	2.499−02	1.886−02	5.931−14
28	125	1.771+02	1.519+08	7.145−04	2.500−03	5.056−01	2.379−12	3.550−02	3.971−03	1.868−14
28	126	1.759+02	0.000−00	0.000−00	0.000−00	2.444−01	3.782−13	5.529−03	2.327−04	3.600−16
28	127	1.699+02	1.078+07	3.107−05	1.043−04	1.328+01	3.829−11	5.037−01	2.950−03	8.508−15
28	128	1.639+02	0.000−00	0.000−00	0.000−00	4.265+01	5.723−11	6.758−01	1.969−03	2.642−15
28	129	1.632+02	5.193+06	2.764−05	8.910−05	9.672−05	5.148−16	6.005−06	1.562−04	8.312−16
28	130	1.600+02	6.325+06	2.428−05	7.676−05	2.007−00	7.705−12	8.475−02	3.355−04	1.288−15
28	131	1.592+02	1.284+03	3.254−09	1.024−08	6.100−00	1.546−11	1.675−01	5.531−04	1.401−15
28	132	1.545+02	0.000−00	0.000−00	0.000−00	4.716−00	5.628−12	5.575−02	1.527−03	1.822−15
28	133	1.501+02	1.995+07	4.492−05	1.332−04	3.049−02	6.867−14	6.233−04	3.439−05	7.743−17
28	134	1.486+02	2.007+06	6.641−06	1.949−05	2.495−01	8.253−13	7.263−03	6.620−08	2.190−19
29	68	3.144+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.589−04	1.700−15
29	69	3.068+02	0.000−00	0.000−00	0.000−00	1.719−02	1.213−13	1.253−02	1.491−03	1.052−14
29	71	2.955+02	6.979+05	6.850−06	5.330−05	1.794−01	1.760−12	1.625−01	1.974−03	1.937−14
29	72	2.844+02	4.115+08	4.990−03	3.737−02	1.969−01	2.388−12	1.965−01	4.979−03	6.037−14
29	73	2.826+02	9.786+07	1.464−03	1.090−02	7.138−00	1.068−10	8.623−00	2.664−03	3.986−14
29	74	2.815+02	1.366+09	1.623−02	1.204−01	3.897−02	4.630−13	3.697−02	6.746−04	8.016−15
29	75	2.794+02	0.000−00	0.000−00	0.000−00	1.450+01	2.545−10	1.985+01	3.446−03	6.048−14
29	77	2.762+02	1.763+09	1.512−02	1.099−01	2.389−02	2.048−13	1.544−02	2.360−02	2.024−13
29	78	2.729+02	0.000−00	0.000−00	0.000−00	2.313−01	1.292−12	9.400−02	3.007−02	1.679−13
29	79	2.680+02	1.079+10	1.163−01	8.205−01	8.280−01	8.917−12	6.143−01	2.406−02	2.591−13
29	80	2.674+02	9.224+08	7.416−03	5.222−02	2.341−00	1.882−11	1.288−00	1.171−02	9.418−14
29	81	2.639+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.462−02	6.425−14
29	82	2.587+02	7.477+08	7.501−03	5.110−02	8.788−00	8.816−11	5.462−00	6.642−03	6.663−14
29	83	2.540+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.710−03	2.107−14
29	84	2.515+02	0.000−00	0.000−00	0.000−00	2.698−01	1.279−12	7.280−02	3.669−03	1.740−14

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
29	85	2.517+02	1.736+07	2.061−04	1.367−03	6.019−00	7.147−11	4.079−00	3.995−03	4.744−14
29	86	2.484+02	0.000−00	0.000−00	0.000−00	4.377−01	2.025−12	1.111−01	4.541−03	2.101−14
29	87	2.476+02	1.500+09	1.379−02	8.991−02	2.944−03	2.706−14	1.470−03	2.330−04	2.142−15
29	88	2.459+02	4.553+08	3.096−03	2.005−02	1.005−00	6.833−12	3.637−01	9.431−03	6.413−14
29	89	2.456+02	1.574+08	1.067−03	6.900−03	5.634−01	3.819−12	2.024−01	4.044−03	2.742−14
29	90	2.419+02	0.000−00	0.000−00	0.000−00	4.050−02	1.777−13	9.002−03	1.595−04	6.998−16
29	91	2.393+02	3.866+09	4.149−02	2.615−01	2.839−00	3.047−11	1.495−00	1.330−03	1.428−14
29	92	2.388+02	0.000−00	0.000−00	0.000−00	1.815−02	7.759−14	3.780−03	1.626−02	6.951−14
29	93	2.355+02	1.507+07	9.396−05	5.827−04	1.527−00	9.523−12	4.450−01	2.084−03	1.299−14
29	94	2.343+02	7.855+08	6.464−03	3.988−02	5.661−01	4.659−12	2.144−01	3.061−04	2.519−15
29	95	2.327+02	1.152+06	7.015−06	4.300−05	8.922−02	5.433−13	2.451−02	1.267−04	7.715−16
29	96	2.315+02	5.654+08	4.542−03	2.769−02	4.709−00	3.782−11	1.679−00	4.394−03	3.529−14
29	97	2.300+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.792−05	7.518−17
29	98	2.259+02	0.000−00	0.000−00	0.000−00	1.585−00	6.062−12	2.500−01	1.467−04	5.612−16
29	99	2.248+02	4.580+08	2.602−03	1.540−02	7.967−01	4.526−12	1.840−01	6.882−05	3.910−16
29	100	2.222+02	0.000−00	0.000−00	0.000−00	1.376−00	5.094−12	2.000−01	4.447−04	1.646−15
29	101	2.224+02	2.215+06	1.231−05	7.212−05	9.565−02	5.318−13	2.093−02	2.825−03	1.571−14
29	102	2.172+02	8.003+07	4.243−04	2.427−03	7.649−01	4.056−12	1.486−01	2.241−02	1.188−13
29	103	2.167+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.845−03	1.205−14
29	104	2.142+02	0.000−00	0.000−00	0.000−00	2.968−01	1.021−12	3.592−02	5.828−04	2.005−15
29	105	2.131+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.372−02	5.739−14
29	106	2.132+02	1.437+07	9.792−05	5.498−04	6.651−02	4.533−13	1.572−02	9.994−04	6.811−15
29	107	2.107+02	1.551+07	7.738−05	4.294−04	1.644−03	8.207−15	2.746−04	4.244−03	2.118−14
29	108	2.065+02	1.914+08	1.224−03	6.657−03	9.131−01	5.838−12	1.840−01	8.980−04	5.742−15
29	109	2.055+02	2.398+08	1.899−03	1.028−02	7.201−01	5.701−12	1.771−01	5.294−03	4.191−14
29	110	2.040+02	0.000−00	0.000−00	0.000−00	8.512−03	2.656−14	8.069−04	2.135−02	6.662−14
29	111	2.005+02	1.529+10	1.152−01	6.083−01	1.277+01	9.621−11	2.775−00	1.537−01	1.158−12
29	112	1.993+02	0.000−00	0.000−00	0.000−00	4.963−02	1.477−13	4.183−03	1.649−02	4.907−14
29	113	1.959+02	1.632+06	7.039−06	3.631−05	1.460−00	6.297−12	1.693−01	1.298−01	5.599−13
29	114	1.932+02	3.326+07	1.396−04	7.102−04	8.758−01	3.675−12	9.482−02	8.081−02	3.391−13
29	115	1.922+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.407−01	7.485−13
29	116	1.918+02	2.455+09	1.353−02	6.836−02	7.828−00	4.316−11	1.089−00	1.966−01	1.084−12
29	117	1.912+02	0.000−00	0.000−00	0.000−00	8.579−02	2.351−13	5.878−03	4.898−03	1.342−14
29	118	1.898+02	1.708+08	6.921−04	3.460−03	3.713−02	1.504−13	3.681−03	3.315−02	1.343−13
29	119	1.887+02	0.000−00	0.000−00	0.000−00	7.317−02	1.952−13	4.692−03	1.092−02	2.913−14
29	120	1.886+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.022−02	1.362−14
29	121	1.879+02	5.265+07	2.788−04	1.380−03	5.043−01	2.670−12	6.343−02	1.236−02	6.545−14
29	122	1.870+02	1.637+08	6.435−04	3.169−03	3.482−01	1.369−12	3.202−02	7.172−03	2.819−14
29	123	1.859+02	0.000−00	0.000−00	0.000−00	6.132−01	1.588−12	3.652−02	4.930−01	1.277−12
29	124	1.777+02	0.000−00	0.000−00	0.000−00	7.330−03	1.735−14	3.482−04	2.152−02	5.093−14
29	125	1.774+02	1.757+08	6.221−04	2.908−03	3.203−01	1.134−12	2.267−02	7.114−02	2.519−13
29	126	1.762+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.648−02	5.411−14
29	127	1.701+02	0.000−00	0.000−00	0.000−00	1.551−01	3.365−13	5.930−03	1.747−01	3.791−13
29	128	1.641+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.069−01	7.135−13
29	129	1.634+02	1.032+08	4.135−04	1.780−03	5.991−01	2.399−12	3.748−02	1.835−02	7.347−14
29	130	1.603+02	4.649+08	1.343−03	5.667−03	5.808−01	1.678−12	2.471−02	3.141−03	9.072−15
29	131	1.595+02	0.000−00	0.000−00	0.000−00	4.361−01	8.312−13	1.206−02	9.512−02	1.813−13
29	132	1.548+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.171−03	5.540−15
29	133	1.503+02	0.000−00	0.000−00	0.000−00	3.059−00	5.180−12	6.296−02	1.033−04	1.749−16
29	134	1.488+02	5.218+08	1.298−03	5.087−03	1.183−00	2.945−12	3.470−02	1.966−03	4.893−15

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
30	68	3.233+02	3.860+07	3.024−04	1.288−03	8.894−02	6.969−13	4.215−02	0.000−00	0.000−00
30	69	3.152+02	9.580+07	1.427−03	5.926−03	1.422−00	2.119−11	1.188−00	3.155−03	4.700−14
30	71	3.033+02	2.149+08	4.445−03	1.775−02	5.677−01	1.174−11	5.861−01	6.756−03	1.397−13
30	72	2.916+02	0.000−00	0.000−00	0.000−00	6.111−01	1.558−11	6.917−01	2.239−03	5.709−14
30	73	2.897+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.533−03	2.684−13
30	74	2.886+02	0.000−00	0.000−00	0.000−00	2.901−00	7.245−11	3.117−00	5.449−03	1.361−13
30	77	2.830+02	1.184+09	2.132−02	7.944−02	3.139−01	5.654−12	2.293−01	2.794−03	5.032−14
30	78	2.796+02	1.413+09	1.656−02	6.097−02	3.980−00	4.664−11	1.824−00	9.018−03	1.057−13
30	79	2.744+02	0.000−00	0.000−00	0.000−00	1.510−00	3.409−11	1.261−00	9.920−03	2.240−13
30	80	2.738+02	5.223+08	8.804−03	3.174−02	1.329−00	2.240−11	8.226−01	3.000−03	5.057−14
30	81	2.701+02	6.760+08	3.696−03	1.314−02	1.085−00	5.934−12	2.092−01	0.000−00	0.000−00
30	82	2.647+02	0.000−00	0.000−00	0.000−00	1.598−02	3.357−13	1.114−02	1.511−02	3.174−13
30	83	2.598+02	1.242+10	6.284−02	2.150−01	3.157−01	1.597−12	5.012−02	0.000−00	0.000−00
30	84	2.571+02	1.112+08	1.103−03	3.734−03	2.484−00	2.462−11	7.490−01	6.553−06	6.495−17
30	85	2.574+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.803−03	1.689−13
30	86	2.539+02	5.131+09	4.960−02	1.659−01	6.343−01	6.132−12	1.797−01	1.736−04	1.679−15
30	87	2.531+02	0.000−00	0.000−00	0.000−00	4.975−01	9.552−12	2.770−01	3.545−04	6.807−15
30	88	2.513+02	1.746+09	2.479−02	8.206−02	2.027−01	2.880−12	8.181−02	1.349−03	1.916−14
30	89	2.509+02	3.901+09	5.523−02	1.825−01	1.358−03	1.924−14	5.439−04	3.264−04	4.622−15
30	90	2.471+02	4.939+09	4.522−02	1.472−01	6.039−02	5.529−13	1.493−02	9.587−03	8.778−14
30	91	2.444+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.517−02	5.636−13
30	92	2.439+02	3.470+08	3.094−03	9.936−03	2.973−00	2.650−11	6.878−01	2.259−04	2.014−15
30	93	2.404+02	6.426+08	8.353−03	2.644−02	1.368+01	1.778−10	4.421−00	3.513−03	4.566−14
30	94	2.392+02	0.000−00	0.000−00	0.000−00	8.775−01	1.505−11	3.685−01	3.086−03	5.294−14
30	95	2.376+02	1.341+09	1.702−02	5.325−02	2.897−02	3.676−13	8.819−03	8.647−03	1.097−13
30	96	2.362+02	0.000−00	0.000−00	0.000−00	7.194−02	1.204−12	2.840−02	7.634−03	1.278−13
30	97	2.347+02	1.742+09	7.194−03	2.224−02	4.824−00	1.992−11	4.609−01	0.000−00	0.000−00
30	98	2.304+02	1.492+08	1.187−03	3.603−03	6.915−02	5.505−13	1.205−02	7.762−03	6.179−14
30	99	2.293+02	3.811+09	4.506−02	1.360−01	3.709−00	4.385−11	9.458−01	2.467−03	2.917−14
30	100	2.266+02	6.561+09	5.051−02	1.507−01	3.299−00	2.540−11	5.288−01	7.813−03	6.015−14
30	101	2.268+02	6.827+08	7.896−03	2.358−02	9.640−02	1.115−12	2.327−02	1.593−04	1.843−15
30	102	2.214+02	1.527+09	1.683−02	4.906−02	3.433−03	3.783−14	7.342−04	2.653−04	2.923−15
30	103	2.209+02	1.801+09	6.586−03	1.916−02	1.803−05	6.593−17	1.271−06	0.000−00	0.000−00
30	104	2.183+02	8.705+07	6.219−04	1.788−03	1.931−00	1.379−11	2.567−01	1.106−04	7.898−16
30	105	2.171+02	6.376+08	2.254−03	6.444−03	9.035−00	3.193−11	5.850−01	0.000−00	0.000−00
30	106	2.172+02	0.000−00	0.000−00	0.000−00	3.331−02	4.713−13	8.648−03	6.415−06	9.078−17
30	107	2.146+02	4.682+07	4.850−04	1.371−03	1.386−01	1.436−12	2.540−02	2.135−03	2.212−14
30	108	2.103+02	0.000−00	0.000−00	0.000−00	5.231−02	6.937−13	1.155−02	1.759−04	2.333−15
30	109	2.093+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.752−03	4.518−14
30	110	2.077+02	3.504+06	2.267−05	6.200−05	5.234−02	3.385−13	5.428−03	3.272−03	2.116−14
30	111	2.041+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.987−03	1.559−13
30	112	2.028+02	2.008+08	1.238−03	3.306−03	5.341−01	3.293−12	4.915−02	3.467−02	2.138−13
30	113	1.993+02	8.193+08	7.317−03	1.920−02	1.032−00	9.214−12	1.305−01	5.389−02	4.813−13
30	114	1.965+02	7.166+07	6.222−04	1.610−03	1.103−01	9.576−13	1.300−02	8.110−03	7.042−14
30	115	1.955+02	3.269+08	9.361−04	2.410−03	4.465−03	1.279−14	1.709−04	0.000−00	0.000−00
30	116	1.950+02	0.000−00	0.000−00	0.000−00	2.606−00	2.973−11	3.947−01	5.663−02	6.459−13
30	117	1.944+02	1.745+08	9.890−04	2.532−03	4.851−01	2.749−12	3.616−02	4.345−03	2.462−14
30	118	1.930+02	1.146+09	9.604−03	2.441−02	1.403−00	1.175−11	1.512−01	6.184−02	5.181−13
30	119	1.918+02	4.579+07	2.526−04	6.382−04	3.273−01	1.805−12	2.281−02	3.783−05	2.087−16
30	120	1.918+02	9.335+05	2.573−06	6.497−06	1.008−00	2.778−12	3.505−02	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
30	121	1.911+02	0.000−00	0.000−00	0.000−00	5.348−01	5.854−12	7.308−02	7.949−04	8.702−15
30	122	1.901+02	6.092+08	4.951−03	1.239−02	1.971−01	1.601−12	1.968−02	1.698−02	1.379−13
30	123	1.890+02	2.570+08	1.376−03	3.423−03	3.079−01	1.648−12	1.990−02	5.328−02	2.852−13
30	124	1.805+02	2.285+09	1.116−02	2.652−02	4.055−00	1.980−11	2.083−01	1.587−05	7.749−17
30	125	1.802+02	7.462+08	5.451−03	1.294−02	1.411−00	1.031−11	1.080−01	3.698−03	2.701−14
30	126	1.790+02	3.736+08	8.974−04	2.115−03	3.347−01	8.039−13	8.251−03	0.000−00	0.000−00
30	127	1.727+02	2.301+08	1.029−03	2.340−03	4.839−00	2.163−11	1.994−01	1.225−02	5.479−14
30	128	1.665+02	3.939+08	8.186−04	1.795−03	5.833−00	1.212−11	1.001−01	0.000−00	0.000−00
30	129	1.658+02	0.000−00	0.000−00	0.000−00	4.396−01	3.623−12	2.955−02	7.627−03	6.287−14
30	130	1.625+02	1.550+07	9.208−05	1.971−04	3.048−00	1.811−11	1.391−01	6.423−04	3.816−15
30	131	1.617+02	3.119+07	1.223−04	2.604−04	8.575−01	3.362−12	2.544−02	1.998−02	7.834−14
30	132	1.569+02	1.238+08	2.285−04	4.720−04	1.442−00	2.660−12	1.838−02	0.000−00	0.000−00
30	133	1.523+02	1.849+08	6.430−04	1.290−03	3.479−01	1.210−12	7.651−03	5.381−03	1.872−14
30	134	1.507+02	3.211+06	1.640−05	3.256−05	4.146−01	2.118−12	1.298−02	9.190−03	4.695−14
31	68	3.381+02	0.000−00	0.000−00	0.000−00	1.847−01	1.055−12	1.095−01	2.907−04	1.661−15
31	69	3.293+02	1.033+08	1.120−03	7.283−03	6.102−03	6.614−14	6.341−03	3.025−04	3.279−15
31	71	3.163+02	1.242+08	1.863−03	1.164−02	2.962−01	4.442−12	3.772−01	5.914−05	8.870−16
31	72	3.036+02	1.607+08	2.962−03	1.776−02	2.475−02	4.561−13	3.427−02	2.646−03	4.876−14
31	73	3.016+02	0.000−00	0.000−00	0.000−00	2.838−00	6.449−11	4.747−00	1.651−03	3.751−14
31	74	3.004+02	2.282+07	4.116−04	2.442−03	4.734−01	8.538−12	6.210−01	5.838−03	1.053−13
31	75	2.979+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.280−03	3.407−14
31	77	2.943+02	3.345+09	4.342−02	2.524−01	2.000−01	2.597−12	1.776−01	4.719−03	6.127−14
31	78	2.906+02	3.422+09	2.889−02	1.658−01	1.560−00	1.317−11	8.677−01	3.281−03	2.769−14
31	79	2.850+02	8.921+08	1.449−02	8.157−02	4.451−01	7.228−12	4.493−01	8.859−03	1.439−13
31	80	2.843+02	2.309+09	2.798−02	1.572−01	4.749−00	5.756−11	3.552−00	7.437−04	9.014−15
31	81	2.803+02	0.000−00	0.000−00	0.000−00	6.675−01	2.621−12	1.550−01	3.058−02	1.201−13
31	82	2.745+02	7.429+07	1.119−03	6.068−03	3.786−00	5.703−11	3.167−00	3.265−03	4.918−14
31	83	2.693+02	0.000−00	0.000−00	0.000−00	7.322−02	2.653−13	1.390−02	2.037−03	7.383−15
31	84	2.664+02	7.090+08	5.029−03	2.647−02	2.558−01	1.814−12	9.208−02	1.212−03	8.594−15
31	85	2.667+02	0.000−00	0.000−00	0.000−00	1.284+01	2.282−10	1.162+01	6.543−03	1.163−13
31	86	2.630+02	1.861+08	1.287−03	6.683−03	2.559−00	1.769−11	8.637−01	3.621−04	2.503−15
31	87	2.620+02	1.468+09	2.016−02	1.043−01	5.420−01	7.439−12	3.593−01	9.105−03	1.250−13
31	88	2.602+02	1.162+08	1.180−03	6.063−03	4.588−02	4.656−13	2.202−02	6.828−04	6.930−15
31	89	2.598+02	3.076+08	3.112−03	1.597−02	1.523−00	1.541−11	7.249−01	2.646−03	2.677−14
31	90	2.557+02	3.664+08	2.394−03	1.209−02	3.468−00	2.266−11	1.017−00	7.388−03	4.828−14
31	91	2.528+02	0.000−00	0.000−00	0.000−00	2.708−00	4.324−11	1.875−00	1.825−03	2.914−14
31	92	2.522+02	1.185+08	7.534−04	3.753−03	2.704−01	1.719−12	7.401−02	2.345−03	1.491−14
31	93	2.485+02	1.836+09	1.699−02	8.343−02	1.721−01	1.594−12	6.566−02	1.091−03	1.010−14
31	94	2.472+02	3.204+09	3.913−02	1.911−01	2.398−00	2.929−11	1.187−00	2.924−03	3.571−14
31	95	2.455+02	1.111+09	1.003−02	4.864−02	1.680−00	1.517−11	6.023−01	3.838−03	3.467−14
31	96	2.441+02	1.671+09	1.989−02	9.589−02	8.487−01	1.011−11	3.943−01	3.436−04	4.091−15
31	97	2.424+02	0.000−00	0.000−00	0.000−00	3.677−02	1.080−13	4.128−03	2.979−02	8.749−14
31	98	2.379+02	1.159+09	6.554−03	3.080−02	4.179−02	2.363−13	8.536−03	6.536−04	3.696−15
31	99	2.366+02	1.386+09	1.163−02	5.437−02	1.188−00	9.973−12	3.547−01	1.821−03	1.529−14
31	100	2.338+02	1.787+08	9.760−04	4.507−03	2.993−00	1.635−11	5.607−01	6.200−05	3.387−16
31	101	2.340+02	3.798+08	3.117−03	1.441−02	3.813−01	3.130−12	1.076−01	3.195−04	2.622−15
31	102	2.282+02	3.695+08	2.885−03	1.300−02	1.754−01	1.369−12	4.368−02	1.046−03	8.169−15
31	103	2.277+02	0.000−00	0.000−00	0.000−00	8.645−00	2.240−11	7.098−01	1.217−02	3.153−14
31	104	2.249+02	1.314+08	6.648−04	2.954−03	2.593−01	1.311−12	4.007−02	5.039−02	2.548−13
31	105	2.237+02	0.000−00	0.000−00	0.000−00	2.000−01	5.002−13	1.503−02	6.621−02	1.656−13

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
31	106	2.238+02	4.039+06	4.045−05	1.788−04	2.463−02	2.467−13	7.426−03	4.567−04	4.575−15
31	107	2.211+02	4.558+08	3.339−03	1.458−02	9.720−02	7.121−13	2.065−02	1.411−04	1.034−15
31	108	2.165+02	3.231+05	3.027−06	1.294−05	7.764−01	7.273−12	1.981−01	8.117−04	7.604−15
31	109	2.154+02	0.000−00	0.000−00	0.000−00	4.026−02	4.667−13	1.252−02	2.842−05	3.295−16
31	110	2.137+02	9.258+07	4.227−04	1.784−03	1.088−00	4.966−12	1.301−01	9.375−03	4.280−14
31	111	2.099+02	0.000−00	0.000−00	0.000−00	2.393−00	2.633−11	6.532−01	6.783−02	7.464−13
31	112	2.085+02	1.135+06	4.933−06	2.032−05	2.810−01	1.221−12	2.973−02	1.457−02	6.332−14
31	113	2.048+02	9.752+08	6.133−03	2.481−02	1.367−00	8.598−12	1.983−01	2.748−03	1.728−14
31	114	2.019+02	1.194+08	7.296−04	2.909−03	1.825−02	1.115−13	2.462−03	3.081−02	1.883−13
31	115	2.008+02	0.000−00	0.000−00	0.000−00	1.509−00	3.039−12	6.603−02	4.559−02	9.185−14
31	116	2.003+02	1.175+10	9.425−02	3.730−01	6.221−00	4.991−11	1.077−00	6.052−03	4.855−14
31	117	1.997+02	2.012+06	8.019−06	3.163−05	7.851−04	3.129−15	6.688−05	1.403−03	5.592−15
31	118	1.982+02	1.066+08	6.279−04	2.458−03	1.963−00	1.156−11	2.416−01	1.775−01	1.045−12
31	119	1.969+02	1.859+08	7.209−04	2.804−03	2.112−01	8.188−13	1.679−02	1.413−02	5.479−14
31	120	1.969+02	0.000−00	0.000−00	0.000−00	1.594−02	3.087−14	6.322−04	8.354−04	1.618−15
31	121	1.961+02	7.820+08	6.015−03	2.330−02	2.698−01	2.075−12	4.203−02	1.174−03	9.033−15
31	122	1.951+02	1.057+08	6.032−04	2.325−03	1.990−01	1.136−12	2.265−02	7.910−02	4.515−13
31	123	1.939+02	3.027+08	1.138−03	4.358−03	2.914−00	1.095−11	2.144−01	1.681−01	6.317−13
31	124	1.850+02	6.278+08	2.147−03	7.848−03	9.438−00	3.229−11	5.487−01	3.665−01	1.254−12
31	125	1.848+02	1.995+09	1.021−02	3.726−02	2.529−00	1.294−11	2.191−01	1.585−01	8.112−13
31	126	1.834+02	0.000−00	0.000−00	0.000−00	7.038−01	1.184−12	1.961−02	1.312−01	2.206−13
31	127	1.768+02	2.042+08	6.383−04	2.230−03	6.860−01	2.144−12	3.182−02	1.284−04	4.013−16
31	128	1.703+02	0.000−00	0.000−00	0.000−00	5.883−00	8.530−12	1.132−01	3.756−04	5.447−16
31	129	1.696+02	2.840+07	1.633−04	5.472−04	3.992−02	2.296−13	3.007−03	6.494−03	3.734−14
31	130	1.662+02	1.461+07	6.051−05	1.986−04	2.193−00	9.081−12	1.119−01	1.243−02	5.148−14
31	131	1.653+02	3.040+07	8.305−05	2.712−04	1.671−01	4.566−13	5.540−03	1.067−03	2.914−15
31	132	1.603+02	0.000−00	0.000−00	0.000−00	1.535−00	1.971−12	2.179−02	6.683−02	8.581−14
31	133	1.555+02	4.011+08	9.696−04	2.979−03	1.330−00	3.216−12	3.247−02	4.129−03	9.983−15
31	134	1.539+02	1.518+08	5.389−04	1.638−03	8.004−01	2.841−12	2.778−02	8.793−04	3.121−15
32	68	3.432+02	8.235+07	7.273−04	3.287−03	5.277−02	4.660−13	3.372−02	0.000−00	0.000−00
32	69	3.342+02	1.154+08	1.932−03	8.500−03	1.160−01	1.942−12	1.296−01	1.192−05	1.996−16
32	71	3.207+02	8.799+05	2.036−05	8.598−05	3.877−01	8.971−12	5.297−01	2.030−04	4.696−15
32	72	3.078+02	0.000−00	0.000−00	0.000−00	3.465−01	9.840−12	5.132−01	9.662−03	2.744−13
32	73	3.056+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.829−04	6.404−15
32	74	3.044+02	0.000−00	0.000−00	0.000−00	8.286−02	2.302−12	1.162−01	1.344−04	3.732−15
32	77	2.981+02	1.254+07	2.505−04	9.837−04	1.083−01	2.164−12	1.026−01	3.900−03	7.796−14
32	78	2.944+02	1.652+08	2.147−03	8.322−03	1.494−00	1.941−11	8.863−01	3.845−04	4.996−15
32	79	2.887+02	0.000−00	0.000−00	0.000−00	5.388−00	1.346−10	5.793−00	5.990−05	1.497−15
32	80	2.879+02	1.359+08	2.533−03	9.605−03	5.845−01	1.090−11	4.655−01	1.661−02	3.097−13
32	81	2.838+02	2.346+08	1.417−03	5.296−03	1.743−00	1.052−11	4.306−01	0.000−00	0.000−00
32	82	2.779+02	0.000−00	0.000−00	0.000−00	4.309−00	9.977−11	3.830−00	1.702−02	3.940−13
32	83	2.725+02	7.705+08	4.289−03	1.539−02	7.876−01	4.384−12	1.587−01	0.000−00	0.000−00
32	84	2.696+02	5.844+08	6.367−03	2.260−02	1.078−01	1.174−12	4.115−02	1.681−04	1.831−15
32	85	2.698+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.338−02	3.653−13
32	86	2.661+02	1.185+09	1.258−02	4.408−02	9.680−01	1.027−11	3.463−01	6.739−03	7.153−14
32	87	2.651+02	0.000−00	0.000−00	0.000−00	3.408−01	7.181−12	2.394−01	1.504−03	3.169−14
32	88	2.632+02	4.751+07	7.401−04	2.565−03	1.397−01	2.177−12	7.103−02	7.984−05	1.244−15
32	89	2.628+02	1.077+08	1.673−03	5.788−03	2.489−03	3.865−14	1.255−03	6.950−03	1.079−13
32	90	2.586+02	4.363+08	4.375−03	1.490−02	1.991−01	1.997−12	6.180−02	2.038−02	2.043−13
32	91	2.556+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.945−03	1.456−13

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
32	92	2.550+02	2.430+09	2.369−02	7.956−02	8.730−01	8.512−12	2.526−01	1.304−02	1.272−13
32	93	2.513+02	6.690+09	9.498−02	3.143−01	1.972−02	2.800−13	7.948−03	6.225−04	8.837−15
32	94	2.499+02	0.000−00	0.000−00	0.000−00	5.001−00	9.365−11	2.615−00	1.353−02	2.534−13
32	95	2.481+02	1.779+10	2.464−01	8.051−01	4.136−01	5.727−12	1.566−01	1.180−02	1.634−13
32	96	2.467+02	0.000−00	0.000−00	0.000−00	2.886−00	5.266−11	1.415−00	2.528−05	4.614−16
32	97	2.450+02	1.543+09	6.944−03	2.241−02	2.155−00	9.696−12	2.553−01	0.000−00	0.000−00
32	98	2.404+02	1.427+10	1.236−01	3.913−01	1.429−01	1.238−12	3.077−02	1.683−02	1.458−13
32	99	2.391+02	5.771+07	7.421−04	2.337−03	2.415−00	3.106−11	7.600−01	3.226−02	4.149−13
32	100	2.362+02	1.342+08	1.123−03	3.492−03	2.217−01	1.855−12	4.374−02	4.299−04	3.597−15
32	101	2.364+02	1.691+07	2.125−04	6.615−04	6.493−01	8.161−12	1.930−01	5.240−03	6.586−14
32	102	2.305+02	1.034+08	1.236−03	3.753−03	3.690−01	4.410−12	9.666−02	8.628−04	1.031−14
32	103	2.300+02	6.008+09	2.383−02	7.217−02	6.162−00	2.443−11	5.320−01	0.000−00	0.000−00
32	104	2.272+02	3.938+07	3.047−04	9.118−04	8.914−01	6.898−12	1.448−01	2.173−02	1.682−13
32	105	2.259+02	4.800+09	1.837−02	5.465−02	1.136−01	4.348−13	8.973−03	0.000−00	0.000−00
32	106	2.261+02	0.000−00	0.000−00	0.000−00	2.947−02	4.516−13	9.336−03	1.063−03	1.629−14
32	107	2.232+02	2.730+07	3.059−04	8.992−04	4.401−01	4.932−12	9.818−02	2.846−06	3.190−17
32	108	2.186+02	0.000−00	0.000−00	0.000−00	6.603−02	9.458−13	1.767−02	1.727−05	2.474−16
32	109	2.175+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.568−07	4.552−18
32	110	2.158+02	1.992+08	1.390−03	3.949−03	9.406−02	6.564−13	1.180−02	2.878−02	2.008−13
32	111	2.118+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.897−03	4.871−14
32	112	2.105+02	2.954+06	1.961−05	5.436−05	1.878−01	1.247−12	2.080−02	1.132−02	7.518−14
32	113	2.067+02	9.931+07	9.539−04	2.596−03	8.732−02	8.388−13	1.325−02	1.529−03	1.469−14
32	114	2.037+02	1.193+08	1.113−03	2.986−03	9.945−01	9.278−12	1.403−01	4.170−03	3.890−14
32	115	2.026+02	9.650+07	2.968−04	7.918−04	1.025−00	3.151−12	4.687−02	0.000−00	0.000−00
32	116	2.021+02	0.000−00	0.000−00	0.000−00	4.773−02	5.847−13	8.639−03	5.065−04	6.205−15
32	117	2.015+02	4.955+06	3.015−05	7.999−05	3.572−02	2.173−13	3.180−03	1.578−02	9.604−14
32	118	1.999+02	5.607+06	5.041−05	1.327−04	2.975−01	2.675−12	3.826−02	2.333−03	2.098−14
32	119	1.987+02	6.365+05	3.767−06	9.854−06	7.625−01	4.512−12	6.332−02	3.294−05	1.949−16
32	120	1.986+02	4.844+07	1.432−04	3.745−04	5.232−05	1.547−16	2.168−06	0.000−00	0.000−00
32	121	1.979+02	0.000−00	0.000−00	0.000−00	5.754−03	6.754−14	9.361−04	2.385−03	2.799−14
32	122	1.968+02	2.205+07	1.920−04	4.977−04	9.720−01	8.466−12	1.155−01	2.299−05	2.002−16
32	123	1.956+02	6.080+06	3.487−05	8.982−05	1.346−00	7.718−12	1.033−01	7.677−03	4.403−14
32	124	1.865+02	1.423+09	7.422−03	1.823−02	1.870−03	9.755−15	1.133−04	1.067−01	5.564−13
32	125	1.863+02	3.426+07	2.673−04	6.556−04	2.256−00	1.760−11	2.036−01	2.444−02	1.907−13
32	126	1.849+02	6.379+08	1.635−03	3.983−03	8.986−00	2.304−11	2.608−01	0.000−00	0.000−00
32	127	1.782+02	5.164+05	2.459−06	5.771−06	2.315−03	1.102−14	1.116−04	2.461−02	1.172−13
32	128	1.716+02	3.758+08	8.297−04	1.875−03	6.552−02	1.447−13	1.309−03	0.000−00	0.000−00
32	129	1.709+02	0.000−00	0.000−00	0.000−00	3.064−02	2.683−13	2.396−03	3.948−04	3.457−15
32	130	1.674+02	9.895+07	6.238−04	1.375−03	2.615−01	1.649−12	1.385−02	8.946−03	5.639−14
32	131	1.666+02	3.079+06	1.280−05	2.808−05	5.695−01	2.368−12	1.958−02	2.043−02	8.497−14
32	132	1.614+02	4.640+07	9.063−05	1.927−04	4.702−00	9.185−12	6.914−02	0.000−00	0.000−00
32	133	1.566+02	1.987+07	7.305−05	1.506−04	6.192−04	2.276−15	1.564−05	2.733−03	1.005−14
32	134	1.549+02	1.370+07	7.396−05	1.509−04	1.358−02	7.327−14	4.874−04	4.672−03	2.521−14
33	68	3.451+02	4.652+07	8.305−04	1.887−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
33	69	3.359+02	1.514+07	5.123−04	1.133−03	1.676−03	5.671−14	1.923−03	0.000−00	0.000−00
33	71	3.224+02	0.000−00	0.000−00	0.000−00	7.798−01	3.644−11	1.092−00	7.157−04	3.345−14
33	72	3.092+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.435−05	8.227−16
33	74	3.058+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.523−03	3.659−13
33	77	2.995+02	0.000−00	0.000−00	0.000−00	2.485−01	1.003−11	2.411−01	5.346−04	2.157−14
33	78	2.957+02	3.943+08	1.034−02	2.014−02	2.850−00	7.473−11	1.730−00	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
33	79	2.900+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.783−03	8.989−14
33	80	2.892+02	0.000−00	0.000−00	0.000−00	4.538−02	1.708−12	3.697−02	1.379−02	5.188−13
33	81	2.851+02	2.086+08	2.542−03	4.771−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
33	82	2.791+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.231−03	1.976−13
33	83	2.737+02	6.620+08	7.433−03	1.339−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
33	84	2.707+02	1.098+08	2.412−03	4.300−03	1.836−01	4.035−12	7.162−02	0.000−00	0.000−00
33	86	2.672+02	1.268+09	2.715−02	4.776−02	1.481−01	3.171−12	5.410−02	0.000−00	0.000−00
33	87	2.662+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.972−03	1.263−13
33	88	2.643+02	0.000−00	0.000−00	0.000−00	6.848−02	2.151−12	3.553−02	1.033−04	3.245−15
33	89	2.639+02	0.000−00	0.000−00	0.000−00	1.154−01	3.613−12	5.937−02	4.777−04	1.496−14
33	90	2.597+02	1.559+07	3.151−04	5.387−04	3.467−00	7.008−11	1.098−00	0.000−00	0.000−00
33	92	2.560+02	1.034+10	2.034−01	3.428−01	4.872−00	9.577−11	1.438−00	0.000−00	0.000−00
33	93	2.522+02	0.000−00	0.000−00	0.000−00	7.215−00	2.065−10	2.965−00	1.214−03	3.474−14
33	94	2.509+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.671−03	3.651−13
33	95	2.491+02	0.000−00	0.000−00	0.000−00	4.235−02	1.182−12	1.634−02	1.529−02	4.267−13
33	96	2.477+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.925−02	7.082−13
33	97	2.460+02	1.919+10	1.741−01	2.820−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
33	98	2.413+02	1.508+09	2.633−02	4.183−02	9.551−01	1.667−11	2.095−01	0.000−00	0.000−00
33	99	2.400+02	0.000−00	0.000−00	0.000−00	2.578−00	6.680−11	8.264−01	1.928−03	4.994−14
33	100	2.371+02	1.237+09	2.085−02	3.255−02	1.180+01	1.988−10	2.371−00	0.000−00	0.000−00
33	101	2.373+02	0.000−00	0.000−00	0.000−00	1.818−01	4.603−12	5.503−02	5.455−04	1.381−14
33	102	2.314+02	0.000−00	0.000−00	0.000−00	1.722−01	4.144−12	4.591−02	7.475−05	1.799−15
33	103	2.308+02	1.823+08	1.456−03	2.213−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
33	104	2.280+02	1.253+09	1.953−02	2.933−02	9.342−02	1.456−12	1.544−02	0.000−00	0.000−00
33	105	2.267+02	1.143+09	8.809−03	1.315−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
33	106	2.269+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.161−03	3.585−14
33	107	2.240+02	0.000−00	0.000−00	0.000−00	9.861−02	2.225−12	2.238−02	8.757−04	1.976−14
33	108	2.193+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.853−04	2.554−14
33	110	2.165+02	1.743+09	2.449−02	3.491−02	4.289−00	6.027−11	5.471−01	0.000−00	0.000−00
33	112	2.111+02	9.489+08	1.269−02	1.764−02	3.322−02	4.442−13	3.741−03	0.000−00	0.000−00
33	113	2.074+02	0.000−00	0.000−00	0.000−00	3.929−01	7.596−12	6.058−02	2.166−02	4.189−13
33	114	2.043+02	0.000−00	0.000−00	0.000−00	1.409−01	2.647−12	2.020−02	4.422−03	8.303−14
33	115	2.032+02	1.440+08	8.917−04	1.193−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
33	116	2.028+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.450−03	2.083−13
33	117	2.021+02	1.699+08	2.081−03	2.769−03	3.557−01	4.356−12	3.217−02	0.000−00	0.000−00
33	118	2.006+02	0.000−00	0.000−00	0.000−00	1.193−01	2.158−12	1.558−02	2.917−03	5.278−14
33	119	1.993+02	2.324+07	2.768−04	3.632−04	1.974−01	2.351−12	1.665−02	0.000−00	0.000−00
33	120	1.992+02	2.686+07	1.598−04	2.096−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
33	121	1.985+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.101−03	1.441−13
33	122	1.974+02	0.000−00	0.000−00	0.000−00	5.962−02	1.045−12	7.192−03	4.494−04	7.876−15
33	123	1.962+02	4.826+06	5.570−05	7.196−05	3.043−00	3.512−11	2.373−01	0.000−00	0.000−00
33	124	1.871+02	3.523+07	3.696−04	4.553−04	5.056−00	5.305−11	3.107−01	0.000−00	0.000−00
33	125	1.868+02	0.000−00	0.000−00	0.000−00	6.015−00	9.441−11	5.507−01	4.177−03	6.556−14
33	126	1.855+02	9.781+07	5.044−04	6.160−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
33	127	1.787+02	4.989+08	4.778−03	5.623−03	1.241−00	1.189−11	6.071−02	0.000−00	0.000−00
33	128	1.721+02	3.726+08	1.654−03	1.874−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
33	129	1.714+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.582−05	6.306−16
33	130	1.679+02	0.000−00	0.000−00	0.000−00	2.658−00	3.369−11	1.426−01	4.024−03	5.099−14
33	131	1.670+02	4.461+08	3.729−03	4.100−03	2.032−01	1.699−12	7.078−03	0.000−00	0.000−00
33	132	1.618+02	1.122+05	4.406−07	4.694−07	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
33	133	1.570+02	2.789+07	2.061−04	2.130−04	3.496−03	2.583−14	8.941−05	0.000−00	0.000−00
33	134	1.553+02	0.000−00	0.000−00	0.000−00	4.948−02	5.366−13	1.798−03	4.585−03	4.973−14
34	68	3.471+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.457−04	2.013−15
34	69	3.379+02	0.000−00	0.000−00	0.000−00	3.803−02	3.254−13	4.491−02	1.924−03	1.646−14
34	71	3.241+02	6.576+07	7.768−04	6.632−03	7.914−05	9.349−16	1.140−04	4.518−03	5.337−14
34	72	3.109+02	2.348+08	3.402−03	2.785−02	3.098−02	4.489−13	4.827−02	5.597−03	8.110−14
34	73	3.087+02	9.715+07	1.735−03	1.410−02	1.005−01	1.795−12	1.890−01	9.120−03	1.629−13
34	74	3.075+02	1.587+08	2.249−03	1.821−02	4.861−02	6.889−13	7.165−02	1.201−03	1.701−14
34	75	3.049+02	0.000−00	0.000−00	0.000−00	6.638−00	1.387−10	1.407+01	1.652−02	3.453−13
34	77	3.011+02	5.240+07	5.340−04	4.235−03	6.948−01	7.081−12	6.916−01	3.573−04	3.642−15
34	78	2.972+02	0.000−00	0.000−00	0.000−00	1.479−01	9.795−13	9.206−02	1.151−03	7.626−15
34	79	2.914+02	9.803+08	1.248−02	9.578−02	2.854−00	3.634−11	3.218−00	1.688−03	2.148−14
34	80	2.907+02	6.597+07	6.268−04	4.798−03	1.256−00	1.193−11	1.049−00	3.156−03	2.999−14
34	81	2.865+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.897−07	1.507−18
34	82	2.804+02	4.216+07	4.970−04	3.670−03	2.013−03	2.373−14	1.873−03	6.846−03	8.071−14
34	83	2.750+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.476−02	9.848−14
34	84	2.720+02	0.000−00	0.000−00	0.000−00	1.549−00	8.586−12	6.181−01	1.608−02	8.917−14
34	85	2.722+02	5.020+07	6.972−04	4.999−03	1.929−00	2.679−11	1.934−00	2.188−02	3.038−13
34	86	2.684+02	0.000−00	0.000−00	0.000−00	2.133−00	1.152−11	7.971−01	1.248−02	6.741−14
34	87	2.674+02	2.138+07	2.292−04	1.614−03	1.507−00	1.615−11	1.106−00	3.415−02	3.661−13
34	88	2.655+02	3.516+09	2.786−02	1.948−01	4.367−00	3.461−11	2.318−00	3.574−02	2.832−13
34	89	2.650+02	2.078+09	1.641−02	1.146−01	7.984−00	6.307−11	4.203−00	7.254−03	5.730−14
34	90	2.608+02	0.000−00	0.000−00	0.000−00	8.305−01	4.235−12	2.689−01	2.217−02	1.130−13
34	91	2.578+02	2.103+10	2.619−01	1.778−00	1.690+01	2.105−10	1.290+01	1.503−02	1.872−13
34	92	2.572+02	0.000−00	0.000−00	0.000−00	3.467−01	1.719−12	1.046−01	6.185−04	3.066−15
34	93	2.533+02	4.734+07	3.416−04	2.279−03	9.195−01	6.636−12	3.861−01	2.179−03	1.573−14
34	94	2.520+02	5.708+09	5.433−02	3.605−01	1.406−00	1.338−11	7.661−01	1.307−03	1.244−14
34	95	2.502+02	2.648+08	1.863−03	1.228−02	2.129−03	1.498−14	8.395−04	2.557−03	1.799−14
34	96	2.487+02	1.246+10	1.155−01	7.567−01	2.739+01	2.540−10	1.399+01	6.645−03	6.162−14
34	97	2.470+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.148−02	2.626−14
34	98	2.423+02	0.000−00	0.000−00	0.000−00	2.074−00	9.124−12	4.643−01	2.562−03	1.127−14
34	99	2.410+02	2.176+09	1.421−02	9.021−02	2.325−01	1.518−12	7.608−02	1.884−04	1.231−15
34	100	2.381+02	0.000−00	0.000−00	0.000−00	3.217−01	1.367−12	6.599−02	1.281−02	5.444−14
34	101	2.382+02	1.470+08	9.383−04	5.888−03	1.189−00	7.590−12	3.673−01	3.662−03	2.337−14
34	102	2.323+02	2.450+08	1.486−03	9.089−03	4.409−00	2.675−11	1.199−00	1.548−02	9.392−14
34	103	2.318+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.534−03	3.088−15
34	104	2.289+02	0.000−00	0.000−00	0.000−00	1.179−01	4.632−13	1.988−02	6.852−05	2.691−16
34	105	2.276+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.046−02	9.799−14
34	106	2.278+02	1.066+07	8.287−05	4.971−04	2.717−02	2.113−13	8.934−03	2.202−03	1.712−14
34	107	2.249+02	8.161+06	4.640−05	2.748−04	2.225−01	1.265−12	5.148−02	1.373−06	7.809−18
34	108	2.201+02	7.018+08	5.099−03	2.956−02	7.604−01	5.524−12	2.109−01	5.346−03	3.884−14
34	109	2.190+02	4.119+07	3.703−04	2.136−03	1.734−04	1.559−15	5.861−05	2.519−03	2.265−14
34	110	2.173+02	0.000−00	0.000−00	0.000−00	1.440−00	5.097−12	1.871−01	1.680−04	5.945−16
34	111	2.133+02	2.249+09	1.918−02	1.077−01	2.763−00	2.356−11	8.182−01	1.239−02	1.056−13
34	112	2.119+02	0.000−00	0.000−00	0.000−00	6.262−02	2.108−13	7.180−03	2.652−04	8.927−16
34	113	2.081+02	1.427+08	6.945−04	3.806−03	2.101−00	1.023−11	3.298−01	6.870−03	3.345−14
34	114	2.051+02	1.673+08	7.909−04	4.271−03	2.065−00	9.761−12	3.012−01	8.207−03	3.880−14
34	115	2.039+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.008−02	1.570−14
34	116	2.035+02	2.528+08	1.569−03	8.409−03	1.160−00	7.200−12	2.170−01	1.603−02	9.946−14
34	117	2.028+02	0.000−00	0.000−00	0.000−00	1.182−01	3.644−13	1.088−02	4.888−03	1.507−14

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
34	118	2.013+02	1.819+08	8.286−04	4.392−03	9.850−00	4.486−11	1.309−00	4.605−03	2.097−14
34	119	2.000+02	0.000−00	0.000−00	0.000−00	5.039−01	1.510−12	4.323−02	1.651−04	4.948−16
34	120	1.999+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.191−03	3.280−15
34	121	1.991+02	1.085+08	6.451−04	3.383−03	2.648−02	1.574−13	4.450−03	7.342−04	4.365−15
34	122	1.981+02	8.026+06	3.541−05	1.847−04	3.211−00	1.416−11	3.939−01	5.486−05	2.420−16
34	123	1.969+02	0.000−00	0.000−00	0.000−00	9.030−00	2.623−11	7.161−01	4.575−02	1.329−13
34	124	1.877+02	0.000−00	0.000−00	0.000−00	1.096−00	2.892−12	6.842−02	4.732−03	1.249−14
34	125	1.874+02	2.058+08	8.129−04	4.012−03	2.167−00	8.559−12	2.016−01	3.235−03	1.278−14
34	126	1.861+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.041−02	1.351−14
34	127	1.793+02	0.000−00	0.000−00	0.000−00	8.862−00	2.135−11	4.401−01	1.775−02	4.275−14
34	128	1.726+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.871−02	9.904−14
34	129	1.719+02	1.550+07	6.862−05	3.106−04	2.573−02	1.139−13	2.069−03	1.668−03	7.383−15
34	130	1.684+02	7.430+07	2.368−04	1.050−03	1.589−03	5.062−15	8.644−05	1.496−03	4.768−15
34	131	1.675+02	0.000−00	0.000−00	0.000−00	1.426−00	2.997−12	5.036−02	9.098−03	1.913−14
34	132	1.623+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.050−03	1.037−15
34	133	1.574+02	0.000−00	0.000−00	0.000−00	6.055−01	1.125−12	1.569−02	2.669−05	4.956−17
34	134	1.557+02	5.529+07	1.507−04	6.180−04	4.588−01	1.251−12	1.690−02	2.860−04	7.797−16
35	68	3.493+02	0.000−00	0.000−00	0.000−00	6.630−03	4.042−14	4.624−03	4.612−05	2.812−16
35	69	3.399+02	3.561+07	4.112−04	2.761−03	2.775−03	3.204−14	3.377−03	5.788−05	6.683−16
35	71	3.260+02	1.797+08	2.864−03	1.844−02	1.134−01	1.807−12	1.680−01	9.937−04	1.583−14
35	72	3.126+02	1.460+07	2.853−04	1.762−03	1.617−01	3.159−12	2.590−01	4.249−04	8.300−15
35	73	3.104+02	0.000−00	0.000−00	0.000−00	3.224−01	7.761−12	6.230−01	6.863−03	1.652−13
35	74	3.091+02	5.594+06	1.069−04	6.526−04	8.532−01	1.630−11	1.293−00	8.285−03	1.583−13
35	75	3.065+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.145−05	3.227−16
35	77	3.027+02	6.854+08	9.415−03	5.630−02	3.592−02	4.934−13	3.673−02	3.243−03	4.454−14
35	78	2.988+02	1.782+08	1.590−03	9.386−03	8.289−03	7.398−14	5.299−03	4.374−03	3.904−14
35	79	2.929+02	5.402+08	9.265−03	5.361−02	8.486−00	1.456−10	9.820−00	1.386−02	2.377−13
35	80	2.922+02	1.780+08	2.278−03	1.315−02	5.455−04	6.982−15	4.675−04	7.372−03	9.436−14
35	81	2.880+02	0.000−00	0.000−00	0.000−00	4.258−01	1.765−12	1.131−01	1.740−02	7.211−14
35	82	2.818+02	2.458+08	3.902−03	2.172−02	4.747−01	7.536−12	4.527−01	1.506−03	2.392−14
35	83	2.763+02	0.000−00	0.000−00	0.000−00	1.863−00	7.108−12	4.025−01	4.449−03	1.697−14
35	84	2.733+02	2.242+08	1.674−03	9.037−03	5.281−01	3.942−12	2.160−01	1.015−03	7.576−15
35	85	2.736+02	0.000−00	0.000−00	0.000−00	9.909−00	1.853−10	1.018+01	2.036−02	3.808−13
35	86	2.697+02	1.328+09	9.654−03	5.143−02	2.016−00	1.465−11	7.716−01	4.599−03	3.343−14
35	87	2.687+02	2.872+07	4.145−04	2.200−03	2.032−01	2.932−12	1.527−01	7.386−04	1.066−14
35	88	2.668+02	1.828+09	1.950−02	1.028−01	2.228−00	2.377−11	1.211−00	4.458−04	4.755−15
35	89	2.663+02	1.019+09	1.084−02	5.700−02	5.582−02	5.935−13	3.009−02	1.134−02	1.206−13
35	90	2.620+02	6.717+07	4.609−04	2.386−03	5.708−01	3.917−12	1.892−01	1.576−02	1.081−13
35	91	2.590+02	0.000−00	0.000−00	0.000−00	5.795−00	9.713−11	4.530−00	1.177−03	1.973−14
35	92	2.584+02	1.604+08	1.070−03	5.461−03	2.680−00	1.788−11	8.276−01	2.412−02	1.609−13
35	93	2.545+02	3.122+09	3.032−02	1.524−01	8.691−00	8.439−11	3.734−00	2.626−03	2.550−14
35	94	2.531+02	1.382+10	1.770−01	8.847−01	4.963−00	6.355−11	2.766−00	2.331−02	2.985−13
35	95	2.513+02	3.031+09	2.869−02	1.424−01	1.976−03	1.870−14	7.966−04	4.271−03	4.044−14
35	96	2.498+02	6.983+09	8.711−02	4.299−01	2.728−01	3.404−12	1.424−01	2.490−03	3.107−14
35	97	2.481+02	0.000−00	0.000−00	0.000−00	1.406−01	4.325−13	1.773−02	4.192−02	1.290−13
35	98	2.433+02	3.293+09	1.948−02	9.365−02	6.757−01	3.998−12	1.546−01	1.099−02	6.502−14
35	99	2.421+02	6.559+09	5.761−02	2.754−01	5.117−00	4.495−11	1.711−00	4.518−02	3.968−13
35	100	2.391+02	5.197+08	2.969−03	1.402−02	3.404−00	1.944−11	7.131−01	5.635−03	3.219−14
35	101	2.393+02	8.018+07	6.882−04	3.252−03	3.049−01	2.617−12	9.621−02	5.001−05	4.292−16
35	102	2.332+02	1.573+09	1.283−02	5.910−02	3.161−01	2.578−12	8.778−02	1.216−03	9.917−15

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
35	103	2.327+02	0.000−00	0.000−00	0.000−00	1.920−01	5.195−13	1.757−02	1.316−02	3.560−14
35	104	2.298+02	7.910+08	4.176−03	1.896−02	2.226−00	1.175−11	3.831−01	2.835−04	1.497−15
35	105	2.286+02	0.000−00	0.000−00	0.000−00	4.916−00	1.283−11	4.112−01	4.769−03	1.245−14
35	106	2.287+02	1.459+07	1.525−04	6.889−04	2.016−02	2.107−13	6.764−03	2.038−04	2.131−15
35	107	2.258+02	1.092+08	8.348−04	3.723−03	6.246−01	4.774−12	1.475−01	1.545−05	1.181−16
35	108	2.210+02	8.895+06	8.685−05	3.791−04	7.037−01	6.870−12	1.991−01	1.239−03	1.210−14
35	109	2.199+02	0.000−00	0.000−00	0.000−00	1.327−01	1.603−12	4.574−02	3.128−03	3.779−14
35	110	2.181+02	2.605+09	1.239−02	5.338−02	8.540−00	4.061−11	1.131−00	2.133−02	1.014−13
35	111	2.141+02	0.000−00	0.000−00	0.000−00	1.370−00	1.570−11	4.136−01	1.534−02	1.757−13
35	112	2.127+02	5.083+07	2.299−04	9.659−04	2.845−01	1.287−12	3.324−02	6.557−05	2.966−16
35	113	2.089+02	3.725+08	2.436−03	1.005−02	5.548−01	3.628−12	8.873−02	1.420−02	9.285−14
35	114	2.058+02	1.750+08	1.111−03	4.516−03	1.120−00	7.112−12	1.664−01	2.210−02	1.403−13
35	115	2.047+02	0.000−00	0.000−00	0.000−00	1.043+01	2.184−11	5.024−01	3.491−02	7.308−14
35	116	2.042+02	2.173+09	1.811−02	7.305−02	8.719−01	7.268−12	1.661−01	1.016−03	8.469−15
35	117	2.035+02	1.213+08	5.024−04	2.020−03	7.177−01	2.971−12	6.724−02	1.203−02	4.981−14
35	118	2.020+02	2.138+06	1.308−05	5.217−05	7.209−00	4.409−11	9.753−01	3.100−02	1.896−13
35	119	2.007+02	6.984+06	2.811−05	1.114−04	2.882−02	1.160−13	2.517−03	8.687−04	3.497−15
35	120	2.006+02	0.000−00	0.000−00	0.000−00	9.579−02	1.926−13	4.174−03	9.528−03	1.916−14
35	121	1.999+02	2.350+08	1.876−03	7.406−03	6.472−01	5.168−12	1.107−01	1.697−04	1.355−15
35	122	1.988+02	9.969+05	5.906−06	2.319−05	3.741−00	2.216−11	4.672−01	1.336−02	7.913−14
35	123	1.976+02	3.644+07	1.422−04	5.547−04	1.514−00	5.904−12	1.222−01	6.677−02	2.604−13
35	124	1.883+02	1.261+08	4.467−04	1.661−03	1.673−03	5.928−15	1.062−04	1.213−02	4.297−14
35	125	1.880+02	1.699+09	9.005−03	3.345−02	3.389−00	1.797−11	3.206−01	3.353−04	1.777−15
35	126	1.867+02	0.000−00	0.000−00	0.000−00	1.279−00	2.228−12	3.890−02	1.772−03	3.086−15
35	127	1.798+02	8.082+08	2.613−03	9.281−03	3.994−00	1.291−11	2.016−01	3.607−02	1.166−13
35	128	1.731+02	0.000−00	0.000−00	0.000−00	2.035+01	3.048−11	4.245−01	4.866−02	7.289−14
35	129	1.724+02	1.843+06	1.095−05	3.728−05	1.250−03	7.423−15	1.020−04	2.978−04	1.769−15
35	130	1.689+02	4.071+08	1.740−03	5.805−03	4.503−02	1.925−13	2.487−03	1.386−02	5.925−14
35	131	1.680+02	1.172+08	3.304−04	1.096−03	2.303−00	6.493−12	8.258−02	3.717−02	1.048−13
35	132	1.628+02	0.000−00	0.000−00	0.000−00	5.622−00	7.443−12	8.612−02	2.673−04	3.538−16
35	133	1.578+02	1.270+08	3.161−04	9.857−04	3.569−01	8.888−13	9.381−03	8.525−04	2.123−15
35	134	1.561+02	3.172+06	1.159−05	3.575−05	8.578−01	3.135−12	3.203−02	1.126−02	4.116−14
36	68	4.196+02	2.097+06	5.536−05	1.530−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
36	69	4.061+02	5.228+07	2.586−03	6.915−03	2.362−02	1.168−12	7.003−02	0.000−00	0.000−00
36	71	3.865+02	0.000−00	0.000−00	0.000−00	5.336−02	3.585−12	1.851−01	7.865−05	5.284−15
36	72	3.678+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.577−04	4.523−14
36	74	3.630+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.420−04	1.912−14
36	77	3.541+02	0.000−00	0.000−00	0.000−00	2.359−04	1.331−14	5.287−04	1.077−04	6.078−15
36	78	3.489+02	5.418+07	1.977−03	4.542−03	8.309−02	3.032−12	1.152−01	0.000−00	0.000−00
36	79	3.408+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.929−06	3.434−16
36	80	3.398+02	0.000−00	0.000−00	0.000−00	5.684−01	2.953−11	1.037−00	5.634−04	2.927−14
36	81	3.341+02	5.205+08	8.712−03	1.917−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
36	82	3.259+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.210−03	7.707−14
36	83	3.185+02	2.249+08	3.422−03	7.176−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
36	84	3.145+02	3.450+07	1.024−03	2.120−03	1.714−01	5.084−12	1.416−01	0.000−00	0.000−00
36	86	3.098+02	4.212+07	1.212−03	2.472−03	3.651−01	1.051−11	2.795−01	0.000−00	0.000−00
36	87	3.085+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.208−04	6.892−15
36	88	3.059+02	0.000−00	0.000−00	0.000−00	3.032−02	1.276−12	3.268−02	3.831−04	1.612−14
36	89	3.053+02	0.000−00	0.000−00	0.000−00	7.045−01	2.954−11	7.523−01	2.879−05	1.207−15
36	90	2.997+02	8.153+08	2.196−02	4.334−02	2.529−02	6.812−13	1.641−02	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
36	92	2.949+02	2.592+07	6.760−04	1.313−03	1.230−00	3.208−11	7.362−01	0.000−00	0.000−00
36	93	2.899+02	0.000−00	0.000−00	0.000−00	7.535−02	2.848−12	6.208−02	1.244−02	4.703−13
36	94	2.881+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.024−04	5.097−15
36	95	2.857+02	0.000−00	0.000−00	0.000−00	7.911−02	2.905−12	6.064−02	2.348−03	8.622−14
36	96	2.839+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.943−06	1.422−16
36	97	2.816+02	4.235+06	5.036−05	9.338−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
36	98	2.755+02	8.069+08	1.836−02	3.331−02	2.426−02	5.520−13	1.033−02	0.000−00	0.000−00
36	99	2.739+02	0.000−00	0.000−00	0.000−00	5.962−01	2.011−11	3.696−01	1.365−03	4.605−14
36	100	2.701+02	1.968+09	4.304−02	7.653−02	1.419−00	3.104−11	5.469−01	0.000−00	0.000−00
36	101	2.703+02	0.000−00	0.000−00	0.000−00	1.079−01	3.545−12	6.264−02	2.985−03	9.809−14
36	102	2.626+02	0.000−00	0.000−00	0.000−00	1.661−00	5.152−11	8.349−01	2.130−02	6.608−13
36	103	2.620+02	8.056+09	8.288−02	1.430−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
36	104	2.583+02	3.095+09	6.194−02	1.054−01	9.995−01	2.000−11	3.085−01	0.000−00	0.000−00
36	105	2.567+02	4.513+08	4.459−03	7.536−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
36	106	2.569+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.804−02	7.138−13
36	107	2.532+02	0.000−00	0.000−00	0.000−00	4.263−00	1.229−10	1.785−00	2.588−03	7.463−14
36	108	2.472+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.854−05	2.879−15
36	110	2.436+02	2.806+09	4.995−02	8.012−02	2.558−00	4.553−11	5.891−01	0.000−00	0.000−00
36	112	2.369+02	1.224+10	2.060−01	3.214−01	8.605−03	1.448−13	1.723−03	0.000−00	0.000−00
36	113	2.321+02	0.000−00	0.000−00	0.000−00	4.496−00	1.090−10	1.219−00	7.867−03	1.906−13
36	114	2.284+02	0.000−00	0.000−00	0.000−00	4.890−01	1.147−11	1.222−01	1.406−02	3.298−13
36	115	2.269+02	7.141+08	5.514−03	8.240−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
36	116	2.264+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.517−03	4.661−14
36	117	2.256+02	3.398+08	5.183−03	7.698−03	4.761−01	7.264−12	7.458−02	0.000−00	0.000−00
36	118	2.237+02	0.000−00	0.000−00	0.000−00	9.937−01	2.236−11	2.238−01	9.682−03	2.178−13
36	119	2.221+02	2.103+08	3.110−03	4.548−03	1.498−01	2.215−12	2.170−02	0.000−00	0.000−00
36	120	2.220+02	4.136+08	3.055−03	4.465−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
36	121	2.211+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.187−03	2.399−13
36	122	2.197+02	0.000−00	0.000−00	0.000−00	2.394−01	5.199−12	4.936−02	9.163−04	1.990−14
36	123	2.182+02	2.637+08	3.766−03	5.411−03	9.136−01	1.305−11	1.213−01	0.000−00	0.000−00
36	124	2.070+02	2.896+07	3.721−04	5.071−04	1.009−00	1.297−11	1.029−01	0.000−00	0.000−00
36	125	2.067+02	0.000−00	0.000−00	0.000−00	2.346−02	4.508−13	3.561−03	6.178−06	1.187−16
36	126	2.051+02	3.588+09	2.262−02	3.054−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
36	127	1.968+02	6.308+08	7.327−03	9.495−03	1.130−00	1.312−11	8.953−02	0.000−00	0.000−00
36	128	1.888+02	3.699+08	1.977−03	2.458−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
36	129	1.879+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.592−03	7.606−14
36	130	1.837+02	0.000−00	0.000−00	0.000−00	9.059−02	1.376−12	7.635−03	1.490−02	2.263−13
36	131	1.827+02	1.601+05	1.602−06	1.927−06	1.399−03	1.400−14	7.639−05	0.000−00	0.000−00
36	132	1.765+02	7.760+08	3.626−03	4.214−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
36	133	1.708+02	5.113+06	4.471−05	5.028−05	2.596−02	2.270−13	1.012−03	0.000−00	0.000−00
36	134	1.688+02	0.000−00	0.000−00	0.000−00	9.141−01	1.171−11	5.039−02	3.653−03	4.681−14
37	68	4.281+02	7.242+06	9.951−05	5.610−04	1.876−02	2.578−13	3.621−02	0.000−00	0.000−00
37	69	4.141+02	3.533+06	9.082−05	4.952−04	3.744−04	9.627−15	1.223−03	4.977−06	1.280−16
37	71	3.937+02	2.168+06	7.556−05	3.917−04	2.593−02	9.038−13	9.868−02	1.980−06	6.902−17
37	72	3.743+02	0.000−00	0.000−00	0.000−00	7.356−02	3.090−12	2.900−01	2.084−06	8.753−17
37	73	3.711+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.476−05	3.860−15
37	74	3.693+02	0.000−00	0.000−00	0.000−00	2.352−01	9.620−12	8.673−01	4.978−05	2.036−15
37	77	3.602+02	7.687+07	2.243−03	1.064−02	1.009−03	2.945−14	2.462−03	6.315−05	1.842−15
37	78	3.547+02	3.858+08	7.278−03	3.400−02	1.426−04	2.689−15	2.148−04	2.453−05	4.628−16
37	79	3.464+02	0.000−00	0.000−00	0.000−00	2.926−03	1.053−13	7.832−03	1.440−04	5.180−15

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
37	80	3.454+02	1.610+08	4.319−03	1.964−02	3.347−02	8.978−13	6.620−02	7.526−05	2.019−15
37	81	3.395+02	5.535+08	4.782−03	2.138−02	3.029−00	2.617−11	1.833−00	0.000−00	0.000−00
37	82	3.310+02	0.000−00	0.000−00	0.000−00	2.625−01	8.623−12	5.596−01	3.512−03	1.154−13
37	83	3.234+02	2.446+07	1.918−04	8.168−04	1.459−01	1.144−12	6.926−02	0.000−00	0.000−00
37	84	3.193+02	1.842+08	2.815−03	1.184−02	3.412−02	5.215−13	3.038−02	4.574−05	6.991−16
37	85	3.197+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.378−03	1.294−13
37	86	3.144+02	4.755+06	7.047−05	2.917−04	2.994−01	4.437−12	2.467−01	1.850−03	2.741−14
37	87	3.130+02	0.000−00	0.000−00	0.000−00	3.445−00	1.012−10	5.556−00	7.712−04	2.266−14
37	88	3.104+02	2.821+08	6.112−03	2.498−02	2.432−02	5.270−13	2.821−02	7.365−06	1.596−16
37	89	3.098+02	4.715+08	1.018−02	4.152−02	2.501−01	5.399−12	2.873−01	2.337−04	5.043−15
37	90	3.040+02	9.513+03	1.318−07	5.278−07	2.787−02	3.862−13	1.942−02	3.893−03	5.395−14
37	91	3.000+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.832−03	6.179−14
37	92	2.991+02	1.561+08	2.093−03	8.245−03	1.990−01	2.668−12	1.278−01	4.762−03	6.386−14
37	93	2.939+02	1.536+08	2.985−03	1.155−02	1.022−01	1.985−12	9.021−02	2.149−03	4.176−14
37	94	2.921+02	0.000−00	0.000−00	0.000−00	2.537−00	6.491−11	2.894−00	4.680−03	1.197−13
37	95	2.897+02	2.977+08	5.617−03	2.142−02	1.823−01	3.439−12	1.496−01	1.260−02	2.378−13
37	96	2.877+02	0.000−00	0.000−00	0.000−00	4.620−02	1.147−12	4.887−02	1.950−03	4.839−14
37	97	2.854+02	6.411+07	3.915−04	1.472−03	2.940−00	1.796−11	7.472−01	0.000−00	0.000−00
37	98	2.791+02	1.908+07	2.229−04	8.192−04	6.020−01	7.032−12	2.737−01	1.325−03	1.548−14
37	99	2.775+02	1.920+09	3.325−02	1.215−01	1.210−00	2.095−11	8.008−01	1.560−03	2.701−14
37	100	2.735+02	4.693+09	5.265−02	1.896−01	5.076−01	5.694−12	2.086−01	3.778−03	4.238−14
37	101	2.738+02	1.117+09	1.883−02	6.788−02	5.248−01	8.848−12	3.250−01	1.111−03	1.874−14
37	102	2.659+02	5.084+09	8.085−02	2.831−01	9.233−00	1.468−10	4.942−00	7.656−03	1.217−13
37	103	2.652+02	7.386+07	3.895−04	1.361−03	5.089−00	2.684−11	8.963−01	0.000−00	0.000−00
37	104	2.615+02	2.979+09	3.054−02	1.052−01	2.846−00	2.918−11	9.341−01	9.187−03	9.421−14
37	105	2.599+02	1.119+10	5.663−02	1.938−01	5.305−00	2.685−11	8.432−01	0.000−00	0.000−00
37	106	2.600+02	0.000−00	0.000−00	0.000−00	5.396−03	1.094−13	3.442−03	6.703−04	1.359−14
37	107	2.563+02	4.211+08	6.219−03	2.099−02	5.634−01	8.322−12	2.507−01	3.107−03	4.588−14
37	108	2.501+02	0.000−00	0.000−00	0.000−00	5.147−00	9.657−11	2.705−00	4.963−05	9.312−16
37	109	2.487+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.778−03	1.571−13
37	110	2.465+02	2.684+09	2.444−02	7.933−02	4.462−00	4.064−11	1.089−00	6.874−03	6.261−14
37	111	2.414+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.331−04	9.456−15
37	112	2.396+02	1.008+09	8.678−03	2.738−02	3.967−03	3.414−14	8.404−04	1.251−02	1.077−13
37	113	2.347+02	2.833+09	3.509−02	1.085−01	6.554−00	8.118−11	1.878−00	3.825−03	4.738−14
37	114	2.309+02	1.228+08	1.472−03	4.474−03	4.304−01	5.158−12	1.136−01	2.562−03	3.070−14
37	115	2.294+02	6.427+08	2.536−03	7.660−03	6.691−02	2.640−13	5.704−03	0.000−00	0.000−00
37	116	2.288+02	0.000−00	0.000−00	0.000−00	1.012−00	1.589−11	3.408−01	2.555−02	4.012−13
37	117	2.280+02	4.114+08	3.206−03	9.627−03	5.188−00	4.043−11	8.574−01	5.615−03	4.376−14
37	118	2.261+02	3.413+09	3.922−02	1.168−01	8.530−01	9.803−12	2.026−01	1.390−02	1.597−13
37	119	2.244+02	6.853+06	5.175−05	1.530−04	1.386−02	1.046−13	2.117−03	1.583−03	1.195−14
37	120	2.243+02	7.030+07	2.652−04	7.834−04	1.007−04	3.797−16	7.671−06	0.000−00	0.000−00
37	121	2.234+02	0.000−00	0.000−00	0.000−00	1.159−01	1.734−12	3.458−02	7.085−04	1.060−14
37	122	2.221+02	2.724+08	3.021−03	8.833−03	8.623−01	9.561−12	1.873−01	3.302−03	3.661−14
37	123	2.205+02	1.736+08	1.266−03	3.675−03	2.821−00	2.056−11	3.945−01	2.083−02	1.519−13
37	124	2.091+02	2.370+08	1.552−03	4.274−03	5.547−01	3.634−12	5.941−02	2.504−03	1.641−14
37	125	2.087+02	1.237+09	1.212−02	3.330−02	1.370−02	1.342−13	2.184−03	1.560−02	1.529−13
37	126	2.071+02	1.768+08	5.682−04	1.550−03	2.323−00	7.465−12	1.186−01	0.000−00	0.000−00
37	127	1.987+02	6.196+07	3.667−04	9.594−04	1.305−01	7.721−13	1.084−02	6.399−02	3.787−13
37	128	1.905+02	5.451+08	1.483−03	3.721−03	1.122−00	3.053−12	3.777−02	0.000−00	0.000−00
37	129	1.896+02	0.000−00	0.000−00	0.000−00	3.137−01	3.382−12	4.125−02	9.428−03	1.016−13

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
37	130	1.854+02	2.049+09	1.583−02	3.864−02	8.072−00	6.237−11	7.107−01	8.941−02	6.908−13
37	131	1.843+02	3.493+07	1.778−04	4.316−04	1.131−00	5.758−12	6.448−02	1.027−01	5.230−13
37	132	1.780+02	6.627+07	1.574−04	3.691−04	3.782−00	8.986−12	9.073−02	0.000−00	0.000−00
37	133	1.722+02	9.527+07	4.234−04	9.599−04	8.076−01	3.589−12	3.278−02	1.006−02	4.471−14
37	134	1.701+02	2.653+08	1.727−03	3.870−03	8.745−02	5.693−13	5.017−03	1.297−02	8.444−14
38	68	4.325+02	2.609+09	7.315−02	2.083−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
38	69	4.181+02	1.115+09	5.845−02	1.609−01	3.376−01	1.770−11	1.158−00	0.000−00	0.000−00
38	71	3.973+02	0.000−00	0.000−00	0.000−00	2.217−01	1.574−11	8.835−01	3.560−07	2.528−17
38	72	3.776+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.344−06	7.134−16
38	74	3.725+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.352−08	4.454−18
38	77	3.632+02	0.000−00	0.000−00	0.000−00	7.176−02	4.258−12	1.826−01	5.005−06	2.970−16
38	78	3.577+02	5.356+07	2.054−03	4.838−03	6.820−01	2.616−11	1.071−00	0.000−00	0.000−00
38	79	3.492+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.155−08	6.696−18
38	80	3.482+02	0.000−00	0.000−00	0.000−00	2.474−03	1.349−13	5.095−03	6.960−07	3.795−17
38	81	3.422+02	8.278−00	1.453−10	3.275−10	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
38	82	3.336+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.003−05	6.695−16
38	83	3.259+02	1.663+09	2.647−02	5.679−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
38	84	3.217+02	6.127+09	1.901−01	4.027−01	1.263−00	3.919−11	1.167−00	0.000−00	0.000−00
38	86	3.167+02	1.067+08	3.209−03	6.693−03	4.883−01	1.469−11	4.174−01	0.000−00	0.000−00
38	87	3.153+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.992−06	1.784−16
38	88	3.127+02	0.000−00	0.000−00	0.000−00	7.428−01	3.266−11	8.931−01	2.598−06	1.142−16
38	89	3.120+02	0.000−00	0.000−00	0.000−00	9.693−03	4.245−13	1.154−02	1.582−08	6.928−19
38	90	3.062+02	1.435+08	4.034−03	8.132−03	4.670−02	1.313−12	3.372−02	0.000−00	0.000−00
38	92	3.012+02	1.466+08	3.988−03	7.909−03	1.279−01	3.478−12	8.502−02	0.000−00	0.000−00
38	93	2.960+02	0.000−00	0.000−00	0.000−00	5.620−02	2.214−12	5.134−02	8.437−05	3.324−15
38	94	2.941+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.437−06	1.782−16
38	95	2.916+02	0.000−00	0.000−00	0.000−00	9.771−03	3.737−13	8.293−03	1.337−05	5.113−16
38	96	2.896+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.299−05	1.157−15
38	97	2.873+02	7.440+08	9.210−03	1.742−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
38	98	2.810+02	1.555+07	3.681−04	6.809−04	7.263−01	1.719−11	3.411−01	0.000−00	0.000−00
38	99	2.793+02	0.000−00	0.000−00	0.000−00	1.067−01	3.743−12	7.293−02	4.391−05	1.540−15
38	100	2.753+02	2.067+07	4.696−04	8.513−04	1.228−00	2.790−11	5.210−01	0.000−00	0.000−00
38	101	2.756+02	0.000−00	0.000−00	0.000−00	6.923−03	2.364−13	4.426−03	2.360−05	8.061−16
38	102	2.676+02	0.000−00	0.000−00	0.000−00	1.793−02	5.775−13	9.899−03	1.635−04	5.265−15
38	103	2.669+02	1.271+08	1.357−03	2.385−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
38	104	2.631+02	2.449+07	5.085−04	8.810−04	3.210−01	6.664−12	1.086−01	0.000−00	0.000−00
38	105	2.614+02	9.197+07	9.424−04	1.622−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
38	106	2.616+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.407−04	9.877−15
38	107	2.578+02	0.000−00	0.000−00	0.000−00	1.026−01	3.067−12	4.703−02	4.671−05	1.397−15
38	108	2.516+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.345−07	1.270−17
38	110	2.479+02	2.542+07	4.684−04	7.645−04	1.330−01	2.451−12	3.341−02	0.000−00	0.000−00
38	112	2.409+02	1.798+08	3.130−03	4.966−03	2.826−00	4.919−11	6.156−01	0.000−00	0.000−00
38	113	2.360+02	0.000−00	0.000−00	0.000−00	2.919−01	7.311−12	8.597−02	1.894−04	4.744−15
38	114	2.321+02	0.000−00	0.000−00	0.000−00	1.213−04	2.940−15	3.289−05	2.765−04	6.699−15
38	115	2.306+02	8.296+05	6.616−06	1.005−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
38	116	2.301+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.436−05	1.726−15
38	117	2.292+02	3.044+07	4.796−04	7.238−04	1.392−01	2.193−12	2.363−02	0.000−00	0.000−00
38	118	2.272+02	0.000−00	0.000−00	0.000−00	2.703−02	6.278−13	6.592−03	5.174−05	1.202−15
38	119	2.256+02	2.703+07	4.125−04	6.127−04	3.975−02	6.067−13	6.233−03	0.000−00	0.000−00
38	120	2.255+02	2.719+07	2.073−04	3.077−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
38	121	2.246+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.350−04	4.084−15
38	122	2.232+02	0.000−00	0.000−00	0.000−00	4.206−02	9.424−13	9.375−03	2.965−05	6.643−16
38	123	2.216+02	1.823+05	2.686−06	3.920−06	1.465−01	2.158−12	2.103−02	0.000−00	0.000−00
38	124	2.101+02	9.819+05	1.299−05	1.797−05	1.982−00	2.623−11	2.176−01	0.000−00	0.000−00
38	125	2.098+02	0.000−00	0.000−00	0.000−00	5.537−02	1.096−12	9.046−03	6.999−06	1.385−16
38	126	2.081+02	1.490+08	9.670−04	1.325−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
38	127	1.996+02	2.720+06	3.249−05	4.270−05	8.651−01	1.033−11	7.352−02	0.000−00	0.000−00
38	128	1.914+02	1.226+06	6.729−06	8.478−06	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
38	129	1.904+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.274−05	4.945−16
38	130	1.862+02	0.000−00	0.000−00	0.000−00	4.977−02	7.757−13	4.477−03	1.046−04	1.629−15
38	131	1.851+02	1.681+06	1.726−05	2.103−05	3.277−00	3.366−11	1.909−01	0.000−00	0.000−00
38	132	1.788+02	1.536+07	7.357−05	8.660−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
38	133	1.729+02	2.702+06	2.420−05	2.755−05	5.820−00	5.215−11	2.410−01	0.000−00	0.000−00
38	134	1.708+02	0.000−00	0.000−00	0.000−00	5.911−01	7.757−12	3.459−02	1.591−05	2.088−16
39	68	4.465+02	6.167+08	9.218−03	5.420−02	1.087−01	1.625−12	2.589−01	0.000−00	0.000−00
39	69	4.313+02	1.814+09	5.057−02	2.872−01	3.120−02	8.701−13	1.249−01	6.066−08	1.691−18
39	71	4.092+02	1.890+09	7.118−02	3.835−01	5.238−01	1.972−11	2.418−00	6.096−07	2.295−17
39	72	3.883+02	0.000−00	0.000−00	0.000−00	7.894−02	3.569−12	3.738−01	1.153−06	5.211−17
39	73	3.849+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.354−08	4.638−18
39	74	3.829+02	0.000−00	0.000−00	0.000−00	1.310−01	5.758−12	5.786−01	1.592−06	6.999−17
39	77	3.731+02	4.000+07	1.252−03	6.152−03	2.358−01	7.380−12	6.859−01	2.490−06	7.793−17
39	78	3.672+02	6.688+05	1.352−05	6.539−05	3.070−02	6.207−13	5.501−02	5.302−06	1.072−16
39	79	3.584+02	0.000−00	0.000−00	0.000−00	1.044−02	4.020−13	3.311−02	3.900−06	1.502−16
39	80	3.573+02	9.839+02	2.824−08	1.329−07	3.985−02	1.144−12	9.333−02	1.960−07	5.625−18
39	81	3.510+02	3.892+08	3.593−03	1.661−02	1.847−00	1.706−11	1.320−00	0.000−00	0.000−00
39	82	3.419+02	0.000−00	0.000−00	0.000−00	2.298−05	8.053−16	5.759−05	1.761−07	6.173−18
39	83	3.338+02	5.481+09	4.578−02	2.012−01	2.127−00	1.776−11	1.182−00	0.000−00	0.000−00
39	84	3.294+02	3.083+09	5.015−02	2.175−01	2.503−00	4.072−11	2.604−00	7.246−08	1.179−18
39	85	3.298+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.072−07	1.660−17
39	86	3.242+02	9.312+08	1.467−02	6.265−02	3.019−01	4.757−12	2.901−01	4.319−07	6.805−18
39	87	3.228+02	0.000−00	0.000−00	0.000−00	3.697−01	1.155−11	6.949−01	1.658−05	5.178−16
39	88	3.200+02	4.643+09	1.069−01	4.504−01	6.797−01	1.565−11	9.172−01	3.450−08	7.943−19
39	89	3.193+02	4.314+07	9.893−04	4.160−03	1.402−02	3.214−13	1.872−02	3.759−06	8.620−17
39	90	3.132+02	4.559+08	6.704−03	2.765−02	4.261−01	6.267−12	3.445−01	3.779−06	5.557−17
39	91	3.089+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.046−07	2.519−17
39	92	3.080+02	3.790+07	5.389−04	2.185−03	4.239−02	6.027−13	3.150−02	4.215−06	5.993−17
39	93	3.025+02	1.530+08	3.148−03	1.254−02	3.176−01	6.536−12	3.237−01	6.396−08	1.316−18
39	94	3.005+02	0.000−00	0.000−00	0.000−00	3.115−02	8.437−13	4.097−02	7.137−06	1.933−16
39	95	2.980+02	9.158+07	1.828−03	7.174−03	1.795−04	3.585−15	1.697−04	7.188−07	1.435−17
39	96	2.959+02	0.000−00	0.000−00	0.000−00	8.254−02	2.167−12	1.005−01	2.911−05	7.643−16
39	97	2.935+02	1.060+08	6.848−04	2.647−03	1.601−01	1.034−12	4.677−02	0.000−00	0.000−00
39	98	2.868+02	1.263+08	1.558−03	5.884−03	3.142−01	3.876−12	1.637−01	9.499−07	1.172−17
39	99	2.851+02	7.245+06	1.324−04	4.970−04	8.160−01	1.491−11	6.181−01	3.536−05	6.463−16
39	100	2.810+02	3.848+07	4.554−04	1.685−03	4.172−01	4.937−12	1.959−01	5.766−06	6.823−17
39	101	2.812+02	4.450+05	7.914−06	2.931−05	3.019−02	5.369−13	2.137−02	7.582−05	1.348−15
39	102	2.729+02	5.070+06	8.493−05	3.052−04	1.087−01	1.821−12	6.624−02	3.080−06	5.159−17
39	103	2.722+02	1.864+05	1.035−06	3.711−06	3.738−02	2.076−13	7.492−03	0.000−00	0.000−00
39	104	2.683+02	3.448+07	3.720−04	1.314−03	1.745−00	1.883−11	6.505−01	2.570−05	2.773−16
39	105	2.665+02	7.062+08	3.760−03	1.320−02	2.292−00	1.220−11	4.135−01	0.000−00	0.000−00
39	106	2.667+02	0.000−00	0.000−00	0.000−00	3.228−03	6.884−14	2.337−03	2.438−05	5.199−16

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i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
39	107	2.628+02	4.315+06	6.700−05	2.318−04	1.605−02	2.493−13	8.091−03	6.272−05	9.738−16
39	108	2.563+02	0.000−00	0.000−00	0.000−00	1.627−01	3.206−12	9.660−02	3.757−05	7.402−16
39	109	2.548+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.202−06	5.357−17
39	110	2.525+02	1.492+07	1.425−04	4.739−04	1.264−01	1.208−12	3.477−02	2.420−04	2.312−15
39	111	2.471+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.174−06	2.099−16
39	112	2.452+02	2.092+07	1.886−04	6.092−04	3.386−00	3.053−11	8.059−01	1.346−04	1.214−15
39	113	2.401+02	1.732+06	2.246−05	7.103−05	1.056−00	1.370−11	3.393−01	1.979−05	2.565−16
39	114	2.361+02	3.556+07	4.457−04	1.386−03	9.933−02	1.245−12	2.932−02	3.643−05	4.567−16
39	115	2.346+02	2.331+06	9.618−06	2.971−05	1.008−00	4.157−12	9.605−02	0.000−00	0.000−00
39	116	2.340+02	0.000−00	0.000−00	0.000−00	1.389−02	2.281−13	5.228−03	1.613−04	2.649−15
39	117	2.331+02	1.416+04	1.154−07	3.541−07	2.667−03	2.172−14	4.924−04	4.399−05	3.584−16
39	118	2.311+02	5.525+07	6.635−04	2.019−03	7.776−01	9.337−12	2.062−01	4.216−04	5.062−15
39	119	2.294+02	1.211+08	9.554−04	2.886−03	5.380−03	4.244−14	9.166−04	8.479−07	6.689−18
39	120	2.293+02	7.726+07	3.044−04	9.191−04	1.586−03	6.248−15	1.347−04	0.000−00	0.000−00
39	121	2.283+02	0.000−00	0.000−00	0.000−00	2.419−02	3.780−13	8.050−03	2.818−05	4.404−16
39	122	2.269+02	8.091+06	9.367−05	2.799−04	9.270−02	1.073−12	2.243−02	8.038−05	9.305−16
39	123	2.253+02	3.257+07	2.478−04	7.353−04	1.469−02	1.118−13	2.287−03	2.353−04	1.790−15
39	124	2.133+02	4.781+07	3.262−04	9.165−04	2.946−00	2.010−11	3.493−01	2.796−05	1.908−16
39	125	2.130+02	2.666+07	2.721−04	7.631−04	6.814−01	6.953−12	1.203−01	1.381−05	1.409−16
39	126	2.113+02	1.683+07	5.631−05	1.567−04	5.723−01	1.915−12	3.232−02	0.000−00	0.000−00
39	127	2.026+02	7.238+06	4.452−05	1.188−04	8.028−01	4.938−12	7.342−02	3.339−04	2.054−15
39	128	1.941+02	1.190+07	3.359−05	8.586−05	3.014−03	8.511−15	1.113−04	0.000−00	0.000−00
39	129	1.931+02	0.000−00	0.000−00	0.000−00	1.294−02	1.447−13	1.865−03	2.866−04	3.205−15
39	130	1.887+02	8.463+07	6.779−04	1.685−03	5.538−01	4.436−12	5.335−02	1.270−03	1.017−14
39	131	1.876+02	3.804+06	2.007−05	4.959−05	3.722−00	1.964−11	2.321−01	2.383−03	1.257−14
39	132	1.811+02	9.680+05	2.381−06	5.678−06	5.194−03	1.277−14	1.358−04	0.000−00	0.000−00
39	133	1.751+02	3.599+07	1.654−04	3.812−04	7.335−00	3.371−11	3.236−01	1.464−03	6.728−15
39	134	1.730+02	6.759+05	4.548−06	1.036−05	2.743−00	1.845−11	1.709−01	6.310−04	4.246−15
40	69	4.505+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.041−07	1.267−18
40	71	4.265+02	0.000−00	0.000−00	0.000−00	6.933−02	1.134−12	3.935−01	6.832−07	1.118−17
40	72	4.038+02	6.488+08	1.269−02	1.687−01	6.426−02	1.257−12	3.701−01	4.581−07	8.958−18
40	73	4.001+02	7.488+08	1.797−02	2.368−01	1.076−02	2.582−13	7.398−02	0.000−00	0.000−00
40	74	3.980+02	9.805+08	1.863−02	2.441−01	1.408−01	2.676−12	7.548−01	1.324−06	2.515−17
40	75	3.937+02	4.772+09	1.331−01	1.725−00	9.812−01	2.736−11	7.470−00	0.000−00	0.000−00
40	77	3.874+02	0.000−00	0.000−00	0.000−00	1.190−01	1.606−12	4.178−01	1.630−07	2.201−18
40	78	3.811+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.952−07	6.926−18
40	79	3.715+02	1.589+08	2.631−03	3.218−02	1.067−00	1.767−11	4.053−00	6.431−08	1.065−18
40	80	3.704+02	0.000−00	0.000−00	0.000−00	1.542−01	1.903−12	4.325−01	3.123−08	3.853−19
40	82	3.539+02	1.216+08	1.827−03	2.128−02	1.495−02	2.244−13	4.449−02	5.312−07	7.978−18
40	84	3.405+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.109−05	3.552−16
40	85	3.410+02	4.028+08	7.020−03	7.880−02	4.246−01	7.400−12	1.312−00	0.000−00	0.000−00
40	86	3.350+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.298−05	1.546−16
40	87	3.334+02	4.617+09	6.156−02	6.757−01	1.304−00	1.738−11	2.882−00	3.098−06	4.131−17
40	88	3.304+02	0.000−00	0.000−00	0.000−00	4.572−01	4.490−12	7.247−01	3.925−06	3.854−17
40	89	3.297+02	0.000−00	0.000−00	0.000−00	6.816−01	6.666−12	1.069−00	2.246−05	2.197−16
40	90	3.232+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.327−05	8.316−17
40	91	3.186+02	6.911+09	1.052−01	1.103−00	3.141−00	4.780−11	6.916−00	0.000−00	0.000−00
40	92	3.176+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.932−07	6.009−18
40	93	3.118+02	0.000−00	0.000−00	0.000−00	3.873−01	3.387−12	4.594−01	1.144−06	1.000−17
40	94	3.097+02	3.287+08	3.782−03	3.856−02	2.967−00	3.414−11	4.538−00	4.243−06	4.882−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
40	95	3.070+02	0.000−00	0.000−00	0.000−00	1.327−04	1.125−15	1.456−04	3.378−06	2.864−17
40	96	3.048+02	5.884+08	6.557−03	6.580−02	9.794−02	1.092−12	1.383−01	1.038−05	1.157−16
40	98	2.952+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.115−06	4.764−17
40	99	2.933+02	0.000−00	0.000−00	0.000−00	6.599−01	5.108−12	5.767−01	2.865−05	2.217−16
40	100	2.890+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.659−05	8.307−17
40	101	2.893+02	0.000−00	0.000−00	0.000−00	1.287−02	9.687−14	1.049−02	3.271−06	2.462−17
40	102	2.805+02	0.000−00	0.000−00	0.000−00	7.657−01	5.419−12	5.349−01	8.922−06	6.314−17
40	104	2.756+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.241−06	2.387−17
40	106	2.739+02	1.853+06	1.667−05	1.504−04	2.810−02	2.529−13	2.325−02	2.887−14	2.598−25
40	107	2.698+02	0.000−00	0.000−00	0.000−00	5.318−02	3.481−13	3.057−02	1.119−07	7.326−19
40	108	2.630+02	5.373+08	4.457−03	3.859−02	2.205−01	1.829−12	1.488−01	1.067−06	8.852−18
40	109	2.614+02	3.247+07	3.326−04	2.862−03	5.170−02	5.295−13	4.231−02	0.000−00	0.000−00
40	110	2.589+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.845−05	7.419−17
40	111	2.533+02	1.406+08	1.352−03	1.128−02	4.503−00	4.331−11	3.148−00	0.000−00	0.000−00
40	112	2.514+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.128−06	4.271−18
40	113	2.460+02	0.000−00	0.000−00	0.000−00	3.869−00	2.106−11	1.402−00	4.446−06	2.420−17
40	114	2.417+02	0.000−00	0.000−00	0.000−00	1.651−00	8.681−12	5.486−01	4.409−06	2.318−17
40	116	2.395+02	2.089+07	1.437−04	1.134−03	1.976−00	1.360−11	8.360−01	2.500−08	1.720−19
40	117	2.386+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.778−06	1.973−17
40	118	2.365+02	0.000−00	0.000−00	0.000−00	1.967−00	9.896−12	5.855−01	2.901−05	1.459−16
40	119	2.347+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.439−06	1.467−17
40	121	2.336+02	4.091+07	2.677−04	2.058−03	1.085−02	7.103−14	4.049−03	8.963−07	5.865−18
40	122	2.321+02	0.000−00	0.000−00	0.000−00	8.625−01	4.180−12	2.338−01	3.791−07	1.837−18
40	123	2.304+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.439−06	4.583−18
40	124	2.179+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.906−07	2.252−18
40	125	2.176+02	0.000−00	0.000−00	0.000−00	3.060−02	1.303−13	6.007−03	4.699−06	2.001−17
40	127	2.067+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.731−06	1.981−17
40	129	1.969+02	1.561+05	7.259−07	4.705−06	7.368−02	3.426−13	1.170−02	1.546−08	7.188−20
40	130	1.923+02	0.000−00	0.000−00	0.000−00	1.006+01	3.347−11	1.065−00	1.360−06	4.526−18
40	131	1.912+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.407−06	5.274−18
40	133	1.782+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.250−07	4.283−19
40	134	1.760+02	0.000−00	0.000−00	0.000−00	1.905+01	5.308−11	1.294−00	1.118−06	3.114−18
41	68	4.726+02	0.000−00	0.000−00	0.000−00	1.245−02	1.389−13	3.937−02	6.503−07	7.258−18
41	69	4.555+02	1.260+08	2.614−03	2.352−02	3.844−03	7.973−14	2.023−02	5.104−08	1.059−18
41	71	4.310+02	5.713+08	1.591−02	1.354−01	6.614−03	1.842−13	3.957−02	7.275−09	2.026−19
41	72	4.078+02	6.293+08	2.092−02	1.685−01	2.183−01	7.258−12	1.322−00	1.615−06	5.371−17
41	73	4.041+02	0.000−00	0.000−00	0.000−00	3.393−04	1.384−14	2.452−03	2.667−07	1.088−17
41	74	4.020+02	5.657+08	1.827−02	1.451−01	2.179−01	7.037−12	1.227−00	2.351−06	7.594−17
41	75	3.976+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.422−06	6.739−17
41	77	3.911+02	3.269+07	7.498−04	5.793−03	1.172−01	2.688−12	4.318−01	3.138−09	7.197−20
41	78	3.847+02	1.655+08	2.448−03	1.860−02	1.445−01	2.137−12	3.266−01	4.706−06	6.960−17
41	79	3.750+02	1.025+08	2.881−03	2.134−02	4.615−02	1.297−12	1.836−01	8.181−06	2.299−16
41	80	3.738+02	1.069+07	2.238−04	1.652−03	1.106−02	2.316−13	3.246−02	1.816−07	3.804−18
41	81	3.669+02	0.000−00	0.000−00	0.000−00	8.192−01	5.510−12	7.303−01	4.086−05	2.748−16
41	82	3.570+02	4.157+04	1.059−06	7.466−06	1.227−03	3.126−14	3.816−03	9.774−06	2.490−16
41	83	3.482+02	0.000−00	0.000−00	0.000−00	2.797−02	1.694−13	1.919−02	4.307−06	2.609−17
41	84	3.434+02	1.339+07	1.577−04	1.070−03	9.801−02	1.155−12	1.255−01	2.665−07	3.141−18
41	85	3.438+02	0.000−00	0.000−00	0.000−00	4.233−02	1.250−12	1.364−01	1.082−05	3.197−16
41	86	3.377+02	3.062+09	3.490−02	2.328−01	3.956−01	4.510−12	4.663−01	1.833−04	2.089−15
41	87	3.362+02	1.242+09	2.805−02	1.863−01	4.089−01	9.236−12	9.417−01	1.893−05	4.275−16

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
41	88	3.331+02	1.166+09	1.940−02	1.276−01	8.501−01	1.414−11	1.403−00	1.109−07	1.845−18
41	89	3.324+02	1.430+09	2.369−02	1.555−01	1.571−01	2.603−12	2.567−01	1.819−06	3.013−17
41	90	3.258+02	4.135+08	4.387−03	2.823−02	1.161−00	1.232−11	1.144−00	2.067−04	2.193−15
41	91	3.211+02	0.000−00	0.000−00	0.000−00	1.454−02	3.747−13	3.330−02	4.652−06	1.199−16
41	92	3.201+02	3.375+08	3.457−03	2.186−02	4.697−01	4.811−12	4.237−01	1.934−04	1.981−15
41	93	3.142+02	1.132+08	1.676−03	1.040−02	5.461−02	8.084−13	6.731−02	1.614−05	2.389−16
41	94	3.121+02	1.348+07	2.625−04	1.618−03	8.689−02	1.692−12	1.381−01	1.851−08	3.603−19
41	95	3.094+02	1.748+07	2.508−04	1.532−03	4.450−02	6.384−13	5.073−02	3.343−05	4.796−16
41	96	3.071+02	4.938+08	9.312−03	5.649−02	2.373−01	4.475−12	3.480−01	1.763−06	3.324−17
41	97	3.045+02	0.000−00	0.000−00	0.000−00	6.164−02	2.857−13	2.166−02	2.174−04	1.007−15
41	98	2.974+02	1.269+07	1.121−04	6.587−04	1.909−03	1.687−14	1.191−03	1.169−04	1.033−15
41	99	2.955+02	3.208+08	4.200−03	2.451−02	3.698−01	4.840−12	3.351−01	1.967−04	2.574−15
41	100	2.910+02	1.513+07	1.281−04	7.363−04	1.692−02	1.432−13	9.479−03	2.191−03	1.855−14
41	101	2.913+02	1.086+09	1.382−02	7.952−02	1.366−01	1.738−12	1.154−01	4.664−03	5.934−14
41	102	2.824+02	1.503+07	1.798−04	1.003−03	3.717−01	4.445−12	2.688−01	1.074−03	1.284−14
41	103	2.817+02	0.000−00	0.000−00	0.000−00	6.395−01	2.535−12	1.521−01	1.538−03	6.097−15
41	104	2.775+02	8.424+06	6.482−05	3.553−04	3.868−01	2.977−12	1.707−01	4.552−03	3.503−14
41	105	2.756+02	0.000−00	0.000−00	0.000−00	3.466−00	1.316−11	7.393−01	5.250−05	1.993−16
41	106	2.758+02	4.674+07	7.106−04	3.871−03	5.148−00	7.826−11	4.406−00	1.935−03	2.942−14
41	107	2.716+02	4.672+09	5.165−02	2.771−01	3.009−00	3.327−11	1.789−00	1.619−02	1.790−13
41	108	2.647+02	1.045+07	1.464−04	7.655−04	1.591−01	2.229−12	1.110−01	1.700−03	2.381−14
41	109	2.631+02	0.000−00	0.000−00	0.000−00	8.794−00	1.521−10	7.433−00	3.467−03	5.996−14
41	110	2.606+02	2.833+08	1.923−03	9.898−03	7.007−01	4.756−12	2.259−01	7.766−03	5.271−14
41	111	2.549+02	0.000−00	0.000−00	0.000−00	2.353−01	3.819−12	1.697−01	3.364−04	5.460−15
41	112	2.529+02	9.455+06	6.044−05	3.020−04	4.685−01	2.995−12	1.301−01	2.212−03	1.414−14
41	113	2.475+02	2.474+07	2.272−04	1.110−03	2.374−00	2.180−11	8.866−01	1.795−03	1.648−14
41	114	2.432+02	5.011+08	4.442−03	2.134−02	9.901−01	8.778−12	3.389−01	7.744−04	6.866−15
41	115	2.416+02	0.000−00	0.000−00	0.000−00	1.418−00	4.135−12	1.565−01	4.846−04	1.413−15
41	116	2.410+02	5.246+07	6.088−04	2.898−03	3.128−01	3.630−12	1.363−01	9.767−04	1.133−14
41	117	2.400+02	5.611+06	3.231−05	1.532−04	6.303−01	3.629−12	1.347−01	1.245−03	7.167−15
41	118	2.379+02	3.607+07	3.060−04	1.438−03	1.418−00	1.202−11	4.344−01	1.648−05	1.398−16
41	119	2.361+02	2.667+08	1.485−03	6.926−03	1.326−00	7.387−12	2.609−01	8.833−04	4.920−15
41	120	2.360+02	0.000−00	0.000−00	0.000−00	7.048−01	1.961−12	6.915−02	1.957−04	5.444−16
41	121	2.349+02	3.138+09	3.462−02	1.606−01	2.546−00	2.808−11	9.774−01	6.954−04	7.672−15
41	122	2.334+02	6.804+08	5.558−03	2.563−02	1.351−00	1.104−11	3.768−01	5.475−03	4.473−14
41	123	2.317+02	4.730+08	2.539−03	1.162−02	9.261−01	4.971−12	1.661−01	2.162−02	1.161−13
41	124	2.191+02	1.051+07	5.042−05	2.182−04	1.098−00	5.268−12	1.487−01	1.936−02	9.289−14
41	125	2.188+02	6.779+08	4.864−03	2.102−02	1.167−00	8.374−12	2.353−01	7.060−03	5.065−14
41	126	2.169+02	0.000−00	0.000−00	0.000−00	1.283−01	3.017−13	8.268−03	1.676−05	3.940−17
41	127	2.078+02	8.520+08	3.675−03	1.508−02	6.883−02	2.969−13	7.145−03	2.377−02	1.025−13
41	128	1.988+02	0.000−00	0.000−00	0.000−00	1.491−00	2.947−12	6.218−02	3.872−02	7.651−14
41	129	1.979+02	6.876+09	5.381−02	2.103−01	7.541−00	5.900−11	1.227−00	1.158−01	9.061−13
41	130	1.932+02	1.394+09	7.800−03	2.977−02	3.894−01	2.180−12	4.220−02	4.411−02	2.469−13
41	131	1.921+02	4.897+07	1.805−04	6.848−04	2.684−00	9.894−12	1.881−01	1.169−01	4.311−13
41	132	1.853+02	0.000−00	0.000−00	0.000−00	4.473−01	7.674−13	1.310−02	6.465−01	1.109−12
41	133	1.789+02	4.327+08	1.385−03	4.894−03	1.187−00	3.800−12	5.844−02	4.953−02	1.585−13
41	134	1.768+02	2.840+08	1.330−03	4.644−03	7.621−00	3.569−11	5.290−01	1.524−02	7.136−14
42	68	4.750+02	0.000−00	0.000−00	0.000−00	1.790−02	2.018−13	5.804−02	5.103−08	5.753−19
42	69	4.577+02	1.997+08	4.182−03	3.781−02	1.093−02	2.290−13	5.894−02	9.568−07	2.004−17
42	71	4.329+02	6.644+08	1.867−02	1.597−01	8.802−02	2.473−12	5.387−01	1.835−06	5.155−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
42	72	4.096+02	5.588+08	1.874−02	1.516−01	2.990−02	1.003−12	1.850−01	4.489−08	1.505−18
42	73	4.058+02	0.000−00	0.000−00	0.000−00	3.373−02	1.388−12	2.490−01	2.386−07	9.820−18
42	74	4.037+02	5.364+08	1.747−02	1.393−01	1.909−01	6.218−12	1.098−00	1.474−05	4.800−16
42	75	3.992+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.802−06	8.613−17
42	77	3.927+02	3.317+07	7.671−04	5.951−03	2.664−02	6.161−13	1.002−01	1.213−07	2.806−18
42	78	3.863+02	6.514+07	9.713−04	7.411−03	2.111−01	3.147−12	4.868−01	7.563−06	1.128−16
42	79	3.765+02	1.464+07	4.147−04	3.084−03	3.584−03	1.015−13	1.454−02	1.879−05	5.324−16
42	80	3.752+02	6.853+05	1.447−05	1.072−04	2.342−04	4.943−15	7.010−04	2.216−07	4.679−18
42	81	3.683+02	0.000−00	0.000−00	0.000−00	8.491−01	5.756−12	7.717−01	6.849−05	4.643−16
42	82	3.583+02	1.665+07	4.273−04	3.025−03	3.405−05	8.739−16	1.079−04	2.303−05	5.910−16
42	83	3.494+02	0.000−00	0.000−00	0.000−00	1.010−02	6.160−14	7.055−03	4.469−06	2.727−17
42	84	3.446+02	4.463+06	5.297−05	3.606−04	1.605−01	1.905−12	2.093−01	1.934−06	2.295−17
42	85	3.451+02	0.000−00	0.000−00	0.000−00	4.186−03	1.246−13	1.374−02	1.291−05	3.840−16
42	86	3.389+02	1.993+09	2.288−02	1.532−01	7.658−02	8.792−13	9.188−02	1.869−04	2.146−15
42	87	3.374+02	1.422+09	3.235−02	2.156−01	3.576−01	8.135−12	8.384−01	2.648−06	6.024−17
42	88	3.343+02	1.218+09	2.041−02	1.348−01	1.145−00	1.919−11	1.924−00	9.177−07	1.537−17
42	89	3.336+02	1.194+09	1.992−02	1.313−01	2.043−01	3.408−12	3.396−01	3.493−05	5.828−16
42	90	3.269+02	6.764+08	7.225−03	4.666−02	1.087−00	1.161−11	1.089−00	2.782−04	2.971−15
42	91	3.222+02	0.000−00	0.000−00	0.000−00	2.036−02	5.282−13	4.743−02	6.272−06	1.627−16
42	92	3.212+02	3.768+08	3.886−03	2.465−02	4.844−01	4.995−12	4.444−01	1.728−04	1.782−15
42	93	3.153+02	1.970+06	2.936−05	1.828−04	1.291−01	1.923−12	1.617−01	3.325−06	4.954−17
42	94	3.131+02	7.633+05	1.496−05	9.254−05	2.921−02	5.725−13	4.718−02	1.556−05	3.049−16
42	95	3.104+02	1.559+08	2.251−03	1.380−02	3.595−02	5.192−13	4.166−02	1.215−05	1.754−16
42	96	3.081+02	6.456+08	1.225−02	7.457−02	4.074−02	7.732−13	6.071−02	1.995−05	3.785−16
42	97	3.055+02	0.000−00	0.000−00	0.000−00	4.032−02	1.881−13	1.440−02	3.697−04	1.725−15
42	98	2.983+02	4.332+06	3.852−05	2.270−04	4.790−03	4.260−14	3.035−03	1.531−05	1.362−16
42	99	2.964+02	1.303+03	1.716−08	1.005−07	4.946−01	6.513−12	4.552−01	4.770−04	6.283−15
42	100	2.919+02	3.757+08	3.201−03	1.846−02	1.298−01	1.106−12	7.386−02	2.317−03	1.974−14
42	101	2.922+02	1.468+09	1.879−02	1.085−01	2.354−02	3.013−13	2.018−02	4.769−03	6.105−14
42	102	2.833+02	2.837+07	3.413−04	1.910−03	1.330−03	1.599−14	9.759−04	1.143−03	1.375−14
42	103	2.825+02	0.000−00	0.000−00	0.000−00	2.459−01	9.809−13	5.936−02	1.180−03	4.706−15
42	104	2.783+02	4.872+08	3.771−03	2.073−02	1.778−00	1.376−11	7.959−01	4.610−03	3.568−14
42	105	2.764+02	0.000−00	0.000−00	0.000−00	3.341−00	1.276−11	7.230−01	4.233−05	1.616−16
42	106	2.766+02	8.747+07	1.338−03	7.307−03	5.208−00	7.964−11	4.523−00	2.155−03	3.295−14
42	107	2.724+02	4.642+09	5.162−02	2.777−01	1.915−00	2.130−11	1.155−00	1.687−02	1.876−13
42	108	2.654+02	3.016+03	4.248−08	2.228−07	1.967−01	2.770−12	1.391−01	1.745−03	2.458−14
42	109	2.638+02	0.000−00	0.000−00	0.000−00	8.738−00	1.519−10	7.488−00	3.884−03	6.755−14
42	110	2.613+02	3.783+06	2.581−05	1.332−04	1.289−01	8.796−13	4.212−02	7.337−03	5.007−14
42	111	2.556+02	0.000−00	0.000−00	0.000−00	1.221−02	1.993−13	8.929−03	4.688−04	7.651−15
42	112	2.536+02	5.849+06	3.759−05	1.883−04	5.222−01	3.356−12	1.469−01	2.737−03	1.759−14
42	113	2.481+02	8.255+07	7.618−04	3.733−03	2.095−01	1.934−12	7.927−02	1.940−03	1.791−14
42	114	2.438+02	2.056+08	1.832−03	8.824−03	2.088−00	1.861−11	7.239−01	4.406−04	3.926−15
42	115	2.422+02	0.000−00	0.000−00	0.000−00	9.890−01	2.899−12	1.106−01	4.208−04	1.234−15
42	116	2.416+02	8.157+07	9.515−04	4.540−03	1.527−01	1.781−12	6.739−02	1.012−03	1.180−14
42	117	2.406+02	2.808+07	1.625−04	7.725−04	6.554−01	3.793−12	1.418−01	1.298−03	7.513−15
42	118	2.385+02	3.880+08	3.308−03	1.558−02	3.678−01	3.136−12	1.141−01	7.290−07	6.215−18
42	119	2.367+02	3.430+07	1.920−04	8.975−04	5.385−01	3.015−12	1.072−01	1.132−03	6.336−15
42	120	2.365+02	0.000−00	0.000−00	0.000−00	2.418−00	6.761−12	2.402−01	5.507−04	1.540−15
42	121	2.355+02	2.400+09	2.661−02	1.238−01	2.948−00	3.268−11	1.146−00	9.913−04	1.099−14
42	122	2.340+02	4.584+08	3.763−03	1.740−02	4.364−00	3.583−11	1.232−00	5.979−03	4.908−14

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
42	123	2.323+02	2.166+08	1.168−03	5.361−03	2.629−01	1.418−12	4.772−02	2.507−02	1.353−13
42	124	2.196+02	1.267+06	6.106−06	2.649−05	4.858−01	2.342−12	6.659−02	2.005−02	9.668−14
42	125	2.193+02	7.436+08	5.360−03	2.321−02	2.676−01	1.929−12	5.459−02	7.443−03	5.365−14
42	126	2.174+02	0.000−00	0.000−00	0.000−00	5.487−02	1.296−13	3.577−03	3.116−07	7.362−19
42	127	2.082+02	1.232+09	5.337−03	2.195−02	5.206−01	2.255−12	5.463−02	2.575−02	1.115−13
42	128	1.993+02	0.000−00	0.000−00	0.000−00	5.492−01	1.090−12	2.314−02	4.087−02	8.110−14
42	129	1.983+02	7.555+09	5.936−02	2.325−01	6.822−00	5.360−11	1.121−00	1.199−01	9.425−13
42	130	1.936+02	2.309+09	1.298−02	4.963−02	3.246−00	1.824−11	3.554−01	4.279−02	2.405−13
42	131	1.924+02	6.895+07	2.552−04	9.702−04	1.594−01	5.902−13	1.129−02	1.194−01	4.420−13
42	132	1.856+02	0.000−00	0.000−00	0.000−00	1.671−01	2.878−13	4.942−03	6.728−01	1.159−12
42	133	1.793+02	2.546+08	8.178−04	2.896−03	4.215−00	1.354−11	2.094−01	4.892−02	1.571−13
42	134	1.771+02	3.448+07	1.621−04	5.670−04	1.418−00	6.664−12	9.933−02	1.595−02	7.497−14
43	68	4.785+02	3.427+07	5.881−04	3.705−03	2.711−03	4.653−14	9.120−03	0.000−00	0.000−00
43	69	4.610+02	3.464+07	1.104−03	6.700−03	1.986−02	6.327−13	1.109−01	1.423−05	4.534−16
43	71	4.358+02	2.900+03	1.239−07	7.110−07	1.573−03	6.720−14	9.956−03	2.013−06	8.600−17
43	72	4.122+02	0.000−00	0.000−00	0.000−00	1.560−02	7.945−13	9.956−02	5.585−06	2.845−16
43	73	4.084+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.771−05	2.982−15
43	74	4.062+02	0.000−00	0.000−00	0.000−00	8.701−02	4.304−12	5.162−01	2.751−05	1.361−15
43	77	3.951+02	3.304+06	1.160−04	6.036−04	1.335−03	4.686−14	5.174−03	6.254−05	2.196−15
43	78	3.886+02	2.937+07	6.649−04	3.402−03	5.587−03	1.265−13	1.328−02	4.284−05	9.697−16
43	79	3.786+02	0.000−00	0.000−00	0.000−00	1.076−02	4.627−13	4.495−02	2.445−05	1.051−15
43	80	3.774+02	1.322+07	4.233−04	2.104−03	4.726−02	1.514−12	1.456−01	5.738−05	1.838−15
43	81	3.704+02	3.684+05	3.789−06	1.848−05	2.498−02	2.569−13	2.336−02	0.000−00	0.000−00
43	82	3.603+02	0.000−00	0.000−00	0.000−00	5.236−02	2.038−12	1.706−01	6.303−05	2.453−15
43	83	3.513+02	4.277+06	3.957−05	1.831−04	5.579−03	5.162−14	4.005−03	0.000−00	0.000−00
43	84	3.465+02	5.993+07	1.079−03	4.921−03	5.237−03	9.425−14	7.014−03	1.656−05	2.981−16
43	85	3.469+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.635−05	1.188−15
43	86	3.407+02	2.168+08	3.774−03	1.693−02	2.171−01	3.779−12	2.675−01	4.484−05	7.803−16
43	87	3.391+02	0.000−00	0.000−00	0.000−00	1.417−02	4.887−13	3.410−02	4.230−08	1.458−18
43	88	3.360+02	4.426+07	1.124−03	4.974−03	6.031−02	1.531−12	1.040−01	3.639−05	9.242−16
43	89	3.353+02	7.775+07	1.966−03	8.681−03	1.198−02	3.030−13	2.044−02	4.077−05	1.031−15
43	90	3.286+02	1.181+08	1.912−03	8.273−03	3.128−01	5.063−12	3.214−01	4.305−04	6.969−15
43	91	3.238+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.575−05	6.191−16
43	92	3.228+02	1.578+07	2.465−04	1.048−03	1.392−01	2.175−12	1.309−01	1.435−04	2.242−15
43	93	3.168+02	1.162+07	2.623−04	1.094−03	3.042−01	6.865−12	3.906−01	9.635−05	2.175−15
43	94	3.147+02	0.000−00	0.000−00	0.000−00	6.028−02	1.789−12	9.976−02	2.282−04	6.775−15
43	95	3.119+02	8.628+04	1.887−06	7.749−06	2.597−04	5.679−15	3.082−04	2.910−04	6.364−15
43	96	3.096+02	0.000−00	0.000−00	0.000−00	2.517−01	7.233−12	3.841−01	3.771−04	1.084−14
43	97	3.070+02	3.325+07	2.348−04	9.493−04	2.171−03	1.534−14	7.938−04	0.000−00	0.000−00
43	98	2.997+02	1.383+07	1.862−04	7.349−04	9.095−02	1.224−12	5.897−02	2.912−04	3.921−15
43	99	2.978+02	3.772+08	7.519−03	2.948−02	6.770−04	1.350−14	6.376−04	3.284−06	6.547−17
43	100	2.933+02	4.146+08	5.346−03	2.064−02	6.390−01	8.239−12	3.718−01	8.175−04	1.054−14
43	101	2.935+02	1.132+08	2.193−03	8.478−03	3.808−02	7.378−13	3.340−02	1.762−02	3.414−13
43	102	2.845+02	7.620+07	1.387−03	5.197−03	2.241−03	4.079−14	1.681−03	1.473−03	2.681−14
43	103	2.837+02	1.147+08	6.924−04	2.587−03	2.331−01	1.406−12	5.749−02	0.000−00	0.000−00
43	104	2.795+02	2.190+09	2.565−02	9.439−02	3.059−00	3.582−11	1.399−00	1.613−02	1.889−13
43	105	2.776+02	4.472+08	2.583−03	9.441−03	5.999−02	3.465−13	1.326−02	0.000−00	0.000−00
43	106	2.778+02	0.000−00	0.000−00	0.000−00	2.038−00	4.714−11	1.808−00	6.733−03	1.558−13
43	107	2.735+02	3.960+05	6.661−06	2.399−05	4.842−00	8.145−11	2.982−00	1.082−03	1.821−14
43	108	2.665+02	0.000−00	0.000−00	0.000−00	6.893−00	1.468−10	4.974−00	8.946−03	1.905−13

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
43	109	2.649+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.753−02	4.610−13
43	110	2.624+02	4.954+09	5.112−02	1.766−01	6.472−00	6.679−11	2.158−00	2.781−02	2.869−13
43	111	2.566+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.977−04	4.877−15
43	112	2.546+02	1.680+09	1.632−02	5.472−02	8.797−01	8.547−12	2.523−01	1.482−03	1.440−14
43	113	2.491+02	9.077+09	1.266−01	4.153−01	3.801−00	5.302−11	1.466−00	7.249−03	1.011−13
43	114	2.447+02	5.805+09	7.819−02	2.520−01	8.000−01	1.077−11	2.826−01	7.696−04	1.036−14
43	115	2.431+02	3.154+09	1.398−02	4.474−02	1.536−00	6.804−12	1.750−01	0.000−00	0.000−00
43	116	2.425+02	0.000−00	0.000−00	0.000−00	5.829−02	1.028−12	2.621−02	1.430−03	2.520−14
43	117	2.415+02	7.481+05	6.542−06	2.081−05	2.760−00	2.413−11	6.085−01	3.184−04	2.785−15
43	118	2.394+02	1.854+09	2.388−02	7.527−02	1.159−01	1.494−12	3.664−02	2.018−02	2.600−13
43	119	2.375+02	3.391+09	2.868−02	8.971−02	4.189−01	3.543−12	8.497−02	4.582−03	3.876−14
43	120	2.374+02	3.031+09	1.280−02	4.003−02	1.238−01	5.232−13	1.253−02	0.000−00	0.000−00
43	121	2.364+02	0.000−00	0.000−00	0.000−00	5.221−00	8.746−11	2.067−00	2.762−02	4.627−13
43	122	2.349+02	1.305+08	1.619−03	5.006−03	9.968−01	1.236−11	2.866−01	1.333−03	1.653−14
43	123	2.331+02	7.979+05	6.502−06	1.996−05	1.019−00	8.304−12	1.883−01	5.978−04	4.871−15
43	124	2.204+02	3.590+09	2.613−02	7.584−02	1.594−02	1.160−13	2.222−03	6.628−02	4.825−13
43	125	2.200+02	1.133+09	1.233−02	3.573−02	1.521−00	1.655−11	3.155−01	2.108−02	2.294−13
43	126	2.182+02	2.190+09	7.812−03	2.244−02	3.068−00	1.094−11	2.033−01	0.000−00	0.000−00
43	127	2.089+02	7.523+08	4.920−03	1.353−02	1.673−01	1.094−12	1.784−02	3.374−03	2.207−14
43	128	1.999+02	3.526+09	1.056−02	2.779−02	1.399−00	4.189−12	5.986−02	0.000−00	0.000−00
43	129	1.989+02	0.000−00	0.000−00	0.000−00	7.067−02	8.380−13	1.179−02	1.271−02	1.508−13
43	130	1.942+02	4.159+09	3.528−02	9.021−02	2.939−00	2.492−11	3.266−01	4.145−02	3.515−13
43	131	1.930+02	6.117+07	3.417−04	8.684−04	2.281−00	1.274−11	1.639−01	1.456−01	8.134−13
43	132	1.862+02	4.004+08	1.040−03	2.550−03	5.813−00	1.510−11	1.744−01	0.000−00	0.000−00
43	133	1.798+02	1.327+08	6.430−04	1.522−03	1.010−02	4.896−14	5.091−04	8.537−02	4.136−13
43	134	1.776+02	4.764+08	3.378−03	7.899−03	2.293−00	1.625−11	1.628−01	2.430−02	1.723−13
44	68	4.834+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.329−08	4.668−19
44	69	4.656+02	0.000−00	0.000−00	0.000−00	3.868−02	6.285−13	2.270−01	6.305−08	1.024−18
44	71	4.399+02	6.009+08	1.308−02	1.515−01	1.818−02	3.955−13	1.205−01	5.386−08	1.172−18
44	72	4.159+02	5.585+08	1.448−02	1.586−01	6.017−04	1.560−14	4.015−03	7.230−07	1.874−17
44	73	4.120+02	3.346+09	1.064−01	1.155−00	1.815−01	5.773−12	1.445−00	3.952−10	1.257−20
44	74	4.097+02	1.362+08	3.429−03	3.700−02	6.751−02	1.699−12	4.183−01	8.834−07	2.224−17
44	75	4.052+02	0.000−00	0.000−00	0.000−00	7.739−01	2.857−11	6.801−00	7.584−10	2.800−20
44	77	3.985+02	2.556+07	4.564−04	4.790−03	3.048−02	5.443−13	1.233−01	2.218−07	3.960−18
44	78	3.918+02	0.000−00	0.000−00	0.000−00	5.378−02	6.189−13	1.332−01	1.674−08	1.926−19
44	79	3.817+02	1.834+08	4.006−03	4.028−02	5.177−01	1.131−11	2.251−00	5.105−07	1.115−17
44	80	3.805+02	1.978+07	3.219−04	3.226−03	4.672−01	7.604−12	1.499−00	1.528−07	2.487−18
44	81	3.734+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.242−08	3.261−19
44	82	3.631+02	4.002+08	7.911−03	7.565−02	1.482−01	2.929−12	5.018−01	2.539−07	5.018−18
44	83	3.540+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.530−06	1.658−17
44	84	3.490+02	0.000−00	0.000−00	0.000−00	3.809−03	3.479−14	5.295−03	1.239−05	1.132−16
44	85	3.495+02	1.969+07	4.507−04	4.149−03	4.019−01	9.200−12	1.406−00	2.443−09	5.593−20
44	86	3.432+02	0.000−00	0.000−00	0.000−00	5.436−03	4.800−14	6.944−03	1.796−05	1.586−16
44	87	3.416+02	9.268+07	1.621−03	1.459−02	5.285−01	9.245−12	1.319−00	5.126−06	8.967−17
44	88	3.385+02	1.163+09	1.498−02	1.336−01	6.886−05	8.870−16	1.231−04	4.961−06	6.389−17
44	89	3.377+02	4.091+09	5.247−02	4.667−01	1.477−01	1.894−12	2.611−01	8.454−06	1.084−16
44	90	3.309+02	0.000−00	0.000−00	0.000−00	3.825−01	3.140−12	4.071−01	3.261−06	2.676−17
44	91	3.261+02	1.592+09	3.171−02	2.723−01	1.191−01	2.373−12	2.944−01	2.006−08	3.997−19
44	92	3.250+02	0.000−00	0.000−00	0.000−00	1.041−00	8.244−12	1.013−00	1.365−05	1.081−16
44	93	3.190+02	1.851+07	2.118−04	1.779−03	1.901−03	2.175−14	2.526−03	7.727−06	8.840−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
44	94	3.168+02	6.396+09	9.623−02	8.029−01	7.040−01	1.059−11	1.205−00	4.544−06	6.837−17
44	95	3.139+02	5.837+07	6.468−04	5.348−03	3.160−00	3.501−11	3.877−00	9.557−07	1.059−17
44	96	3.117+02	2.876+08	4.188−03	3.437−02	1.010−01	1.471−12	1.593−01	1.241−05	1.807−16
44	97	3.090+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.365−05	4.885−17
44	98	3.016+02	0.000−00	0.000−00	0.000−00	1.775−00	1.211−11	1.189−00	8.313−06	5.669−17
44	99	2.997+02	1.425+09	1.439−02	1.135−01	3.367−01	3.400−12	3.274−01	3.753−06	3.789−17
44	100	2.951+02	0.000−00	0.000−00	0.000−00	3.680−01	2.403−12	2.210−01	9.856−07	6.434−18
44	101	2.954+02	6.037+06	5.923−05	4.608−04	8.814−02	8.648−13	7.978−02	5.536−06	5.432−17
44	102	2.862+02	4.112+08	3.788−03	2.856−02	2.988−02	2.753−13	2.311−02	3.366−05	3.101−16
44	103	2.855+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.246−06	6.861−18
44	104	2.812+02	0.000−00	0.000−00	0.000−00	9.093−01	5.388−12	4.286−01	6.209−08	3.680−19
44	105	2.792+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.608−05	1.054−16
44	106	2.794+02	3.609+07	4.225−04	3.109−03	5.957−04	6.973−15	5.445−04	5.416−09	6.340−20
44	107	2.751+02	3.490+07	2.970−04	2.152−03	2.439−02	2.076−13	1.547−02	1.347−06	1.146−17
44	108	2.681+02	1.340+07	1.444−04	1.019−03	5.563−03	5.993−14	4.131−03	1.109−06	1.195−17
44	109	2.664+02	9.185+06	1.221−04	8.570−04	1.816−01	2.416−12	1.635−01	1.475−07	1.962−18
44	110	2.638+02	0.000−00	0.000−00	0.000−00	4.943−02	2.579−13	1.695−02	6.161−06	3.215−17
44	111	2.580+02	4.141+07	5.164−04	3.509−03	6.179−00	7.707−11	4.735−00	1.228−05	1.532−16
44	112	2.560+02	0.000−00	0.000−00	0.000−00	9.303−01	4.569−12	2.742−01	3.884−07	1.908−18
44	113	2.504+02	1.286+08	9.067−04	5.979−03	5.748−01	4.052−12	2.277−01	4.578−07	3.227−18
44	114	2.460+02	4.013+07	2.731−04	1.770−03	4.317−01	2.938−12	1.565−01	5.993−06	4.078−17
44	115	2.444+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.674−04	5.985−16
44	116	2.437+02	5.701+07	5.078−04	3.260−03	4.584−00	4.083−11	2.116−00	1.577−05	1.404−16
44	117	2.428+02	0.000−00	0.000−00	0.000−00	2.645−03	1.169−14	5.984−04	9.244−08	4.084−19
44	118	2.406+02	1.197+08	7.788−04	4.934−03	7.818−05	5.088−16	2.535−05	5.330−05	3.469−16
44	119	2.387+02	0.000−00	0.000−00	0.000−00	9.800−03	4.187−14	2.039−03	2.905−07	1.241−18
44	120	2.386+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.616−06	7.716−18
44	121	2.376+02	1.713+07	1.449−04	9.066−04	2.862−02	2.422−13	1.162−02	4.149−06	3.511−17
44	122	2.360+02	1.055+06	6.609−06	4.109−05	4.934−03	3.091−14	1.455−03	6.783−07	4.249−18
44	123	2.343+02	0.000−00	0.000−00	0.000−00	1.362−00	5.605−12	2.580−01	9.937−05	4.089−16
44	124	2.214+02	0.000−00	0.000−00	0.000−00	1.216−02	4.467−14	1.735−03	1.467−10	5.389−22
44	125	2.211+02	7.047+06	3.872−05	2.254−04	2.187−01	1.202−12	4.645−02	4.305−05	2.365−16
44	126	2.192+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.487−04	2.677−16
44	127	2.098+02	0.000−00	0.000−00	0.000−00	6.827−02	2.253−13	7.446−03	6.759−06	2.230−17
44	128	2.007+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.300−04	6.494−16
44	129	1.997+02	6.214+05	3.716−06	1.955−05	5.428−04	3.246−15	9.255−05	2.516−06	1.504−17
44	130	1.950+02	2.327+08	9.950−04	5.110−03	1.536−00	6.566−12	1.743−01	7.269−06	3.108−17
44	131	1.938+02	0.000−00	0.000−00	0.000−00	1.983−00	5.583−12	1.455−01	1.909−06	5.374−18
44	132	1.869+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.872−04	3.760−16
44	133	1.805+02	0.000−00	0.000−00	0.000−00	1.610+01	3.932−11	8.270−01	9.373−06	2.288−17
44	134	1.782+02	9.434+08	3.370−03	1.582−02	1.964−00	7.017−12	1.422−01	5.577−07	1.992−18
45	68	4.968+02	1.857+07	6.872−04	2.248−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
45	69	4.780+02	7.653+04	5.243−06	1.650−05	6.450−04	4.419−14	4.318−03	0.000−00	0.000−00
45	71	4.510+02	0.000−00	0.000−00	0.000−00	7.665−03	7.012−13	5.756−02	1.742−06	1.593−16
45	72	4.257+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.033−05	1.123−15
45	74	4.193+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.498−05	1.579−15
45	77	4.076+02	0.000−00	0.000−00	0.000−00	4.751−03	3.549−13	2.150−02	6.407−07	4.787−17
45	78	4.006+02	5.774+06	2.778−04	7.328−04	1.600−02	7.697−13	4.426−02	0.000−00	0.000−00
45	79	3.900+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.370−05	2.162−15
45	80	3.887+02	0.000−00	0.000−00	0.000−00	6.035−05	4.102−15	2.156−04	2.032−06	1.381−16

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
45	81	3.813+02	2.875+07	6.265−04	1.573−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
45	82	3.706+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.878−05	2.371−15
45	83	3.611+02	9.335+06	1.825−04	4.340−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
45	84	3.560+02	3.838+06	1.458−04	3.418−04	3.291−03	1.251−13	5.048−03	0.000−00	0.000−00
45	86	3.499+02	2.086+07	7.660−04	1.765−03	1.089−01	3.999−12	1.533−01	0.000−00	0.000−00
45	87	3.482+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.007−05	2.187−15
45	88	3.450+02	0.000−00	0.000−00	0.000−00	1.217−02	6.514−13	2.393−02	7.016−07	3.755−17
45	89	3.442+02	0.000−00	0.000−00	0.000−00	4.668−03	2.487−13	9.078−03	1.044−04	5.566−15
45	90	3.371+02	4.533+06	1.545−04	3.429−04	6.876−02	2.343−12	8.032−02	0.000−00	0.000−00
45	92	3.311+02	8.004+06	2.630−04	5.733−04	1.097−01	3.606−12	1.171−01	0.000−00	0.000−00
45	93	3.247+02	0.000−00	0.000−00	0.000−00	1.176−02	5.577−13	1.709−02	2.618−05	1.242−15
45	94	3.225+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.596−07	2.866−17
45	95	3.195+02	0.000−00	0.000−00	0.000−00	2.315−02	1.063−12	3.103−02	9.144−05	4.199−15
45	96	3.172+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.642−04	2.800−14
45	97	3.144+02	9.233+06	1.368−04	2.833−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
45	98	3.068+02	3.896+06	1.099−04	2.220−04	1.663−03	4.692−14	1.212−03	0.000−00	0.000−00
45	99	3.048+02	0.000−00	0.000−00	0.000−00	7.992−03	3.338−13	8.454−03	4.361−04	1.822−14
45	100	3.000+02	1.464+04	3.952−07	7.808−07	2.230−02	6.019−13	1.455−02	0.000−00	0.000−00
45	101	3.004+02	0.000−00	0.000−00	0.000−00	2.312−02	9.381−13	2.274−02	1.118−02	4.534−13
45	102	2.909+02	0.000−00	0.000−00	0.000−00	5.178−01	1.971−11	4.340−01	2.624−03	9.987−14
45	103	2.901+02	3.708+08	4.678−03	8.934−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
45	104	2.856+02	2.118+08	5.183−03	9.747−03	2.989−00	7.313−11	1.525−00	0.000−00	0.000−00
45	105	2.837+02	1.923+07	2.320−04	4.333−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
45	106	2.839+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.582−04	3.180−14
45	107	2.794+02	0.000−00	0.000−00	0.000−00	3.721−00	1.306−10	2.549−00	8.602−03	3.020−13
45	108	2.721+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.370−02	1.052−12
45	110	2.678+02	3.396+09	7.302−02	1.287−01	5.958−00	1.281−10	2.201−00	0.000−00	0.000−00
45	112	2.597+02	6.056+08	1.225−02	2.094−02	3.821−01	7.726−12	1.210−01	0.000−00	0.000−00
45	113	2.539+02	0.000−00	0.000−00	0.000−00	1.006−01	2.919−12	4.276−02	1.433−03	4.157−14
45	114	2.494+02	0.000−00	0.000−00	0.000−00	3.766−00	1.054−10	1.463−00	1.234−02	3.452−13
45	115	2.478+02	2.194+08	2.019−03	3.293−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
45	116	2.471+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.405−03	5.146−14
45	117	2.461+02	1.042+10	1.893−01	3.068−01	2.996−00	5.440−11	7.256−01	0.000−00	0.000−00
45	118	2.439+02	0.000−00	0.000−00	0.000−00	1.745−00	4.667−11	6.054−01	1.381−02	3.693−13
45	119	2.420+02	4.711+09	8.270−02	1.318−01	7.592−01	1.333−11	1.689−01	0.000−00	0.000−00
45	120	2.418+02	1.377+10	1.207−01	1.922−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
45	121	2.408+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.615−02	5.615−13
45	122	2.392+02	0.000−00	0.000−00	0.000−00	1.986−03	5.111−14	6.258−04	5.364−03	1.380−13
45	123	2.374+02	2.889+07	4.883−04	7.632−04	1.478−00	2.497−11	2.990−01	0.000−00	0.000−00
45	124	2.242+02	4.244+08	6.395−03	9.440−03	8.862−01	1.335−11	1.346−01	0.000−00	0.000−00
45	125	2.238+02	0.000−00	0.000−00	0.000−00	3.610−03	8.133−14	8.158−04	1.440−03	3.245−14
45	126	2.219+02	4.024+09	2.970−02	4.339−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
45	127	2.123+02	4.349+09	5.877−02	8.215−02	3.624−02	4.898−13	4.193−03	0.000−00	0.000−00
45	128	2.030+02	2.038+09	1.259−02	1.683−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
45	129	2.020+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.557−04	8.700−15
45	130	1.971+02	0.000−00	0.000−00	0.000−00	3.958−01	6.919−12	4.744−02	1.694−03	2.961−14
45	131	1.959+02	6.966+08	8.019−03	1.034−02	4.911−00	5.654−11	3.805−01	0.000−00	0.000−00
45	132	1.889+02	1.932+08	1.033−03	1.285−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
45	133	1.823+02	1.462+05	1.457−06	1.749−06	5.548−01	5.529−12	2.997−02	0.000−00	0.000−00
45	134	1.800+02	0.000−00	0.000−00	0.000−00	3.823−01	5.573−12	2.909−02	2.736−06	3.988−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
46	68	5.056+02	0.000−00	0.000−00	0.000−00	5.860−03	7.487−14	2.598−02	1.272−11	1.625−22
46	69	4.862+02	1.559+08	3.682−03	3.536−02	3.164−07	7.475−18	2.305−06	1.752−07	4.140−18
46	71	4.583+02	9.884+06	3.112−04	2.817−03	6.103−03	1.921−13	4.964−02	2.631−07	8.282−18
46	72	4.322+02	1.150+09	4.295−02	3.667−01	1.111−02	4.149−13	8.991−02	2.619−07	9.778−18
46	73	4.280+02	0.000−00	0.000−00	0.000−00	5.473−01	2.505−11	5.272−00	1.134−10	5.189−21
46	74	4.256+02	1.347+09	4.877−02	4.100−01	1.816−07	6.575−18	1.361−06	1.028−08	3.722−19
46	75	4.207+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.033−08	5.480−19
46	77	4.135+02	4.154+08	1.065−02	8.697−02	2.935−02	7.523−13	1.427−01	1.288−10	3.302−21
46	78	4.063+02	2.582+07	4.259−04	3.418−03	3.828−03	6.317−14	1.137−02	2.713−06	4.476−17
46	79	3.955+02	4.494+08	1.405−02	1.097−01	2.628−02	8.214−13	1.364−01	1.873−06	5.854−17
46	80	3.941+02	6.090+08	1.418−02	1.104−01	4.793−01	1.116−11	1.834−00	6.457−08	1.504−18
46	81	3.865+02	0.000−00	0.000−00	0.000−00	1.283−02	9.576−14	1.484−02	6.894−06	5.145−17
46	82	3.755+02	2.305+07	6.497−04	4.819−03	5.175−01	1.458−11	2.072−00	3.729−08	1.051−18
46	83	3.658+02	0.000−00	0.000−00	0.000−00	2.365−03	1.581−14	2.077−03	3.521−07	2.354−18
46	84	3.605+02	3.112+06	4.043−05	2.879−04	3.448−03	4.479−14	5.632−03	1.061−06	1.378−17
46	85	3.610+02	0.000−00	0.000−00	0.000−00	5.080−02	1.654−12	2.088−01	1.670−07	5.436−18
46	86	3.543+02	5.819+06	7.299−05	5.108−04	7.303−02	9.161−13	1.093−01	1.283−05	1.609−16
46	87	3.525+02	4.470+07	1.110−03	7.733−03	1.646−01	4.090−12	4.810−01	2.072−06	5.147−17
46	88	3.492+02	5.443+05	9.950−06	6.863−05	4.814−03	8.800−14	1.006−02	3.206−06	5.862−17
46	89	3.484+02	1.445+08	2.630−03	1.810−02	2.038−01	3.709−12	4.212−01	9.757−08	1.776−18
46	90	3.412+02	7.881+08	9.168−03	6.178−02	3.017−02	3.509−13	3.740−02	4.353−07	5.064−18
46	91	3.360+02	0.000−00	0.000−00	0.000−00	6.101−01	1.721−11	1.753−00	1.034−07	2.919−18
46	92	3.350+02	3.705+09	4.155−02	2.749−01	1.696−02	1.901−13	1.918−02	7.214−06	8.090−17
46	93	3.285+02	3.862+08	6.248−03	4.054−02	1.711−01	2.768−12	2.633−01	1.439−05	2.327−16
46	94	3.262+02	1.787+09	3.801−02	2.449−01	9.043−01	1.923−11	1.791−00	4.276−07	9.094−18
46	95	3.232+02	4.855+09	7.601−02	4.852−01	5.443−01	8.523−12	7.720−01	5.231−08	8.190−19
46	96	3.207+02	3.943+04	8.108−07	5.137−06	7.607−04	1.564−14	1.385−03	2.968−06	6.104−17
46	97	3.179+02	0.000−00	0.000−00	0.000−00	1.456−00	7.353−12	6.341−01	4.137−06	2.090−17
46	98	3.101+02	2.552+09	2.453−02	1.503−01	3.290−01	3.163−12	2.532−01	6.636−06	6.378−17
46	99	3.080+02	1.421+09	2.022−02	1.230−01	4.697−02	6.682−13	5.243−02	1.160−05	1.650−16
46	100	3.032+02	1.783+08	1.639−03	9.817−03	5.001−01	4.596−12	3.440−01	3.600−05	3.309−16
46	101	3.035+02	1.648+07	2.276−04	1.365−03	3.920−03	5.416−14	4.066−03	1.995−05	2.756−16
46	102	2.939+02	4.845+04	6.274−07	3.642−06	2.650−01	3.431−12	2.338−01	4.751−06	6.152−17
46	103	2.931+02	0.000−00	0.000−00	0.000−00	7.002−01	3.005−12	2.031−01	5.444−05	2.337−16
46	104	2.885+02	5.480+08	4.560−03	2.599−02	9.571−01	7.964−12	5.135−01	2.351−08	1.956−19
46	105	2.865+02	0.000−00	0.000−00	0.000−00	1.093−01	4.483−13	2.830−02	2.615−05	1.073−16
46	106	2.867+02	1.056+07	1.736−04	9.831−04	2.497−02	4.103−13	2.596−02	1.255−05	2.062−16
46	107	2.822+02	9.645+07	1.151−03	6.416−03	8.610−02	1.028−12	6.197−02	3.708−05	4.426−16
46	108	2.748+02	2.065+06	3.116−05	1.691−04	5.192−03	7.835−14	4.362−03	1.542−05	2.327−16
46	109	2.730+02	0.000−00	0.000−00	0.000−00	9.076−02	1.690−12	9.232−02	2.353−05	4.383−16
46	110	2.703+02	1.040+08	7.595−04	4.055−03	1.243−02	9.078−14	4.813−03	1.660−06	1.213−17
46	111	2.642+02	0.000−00	0.000−00	0.000−00	4.797−00	8.364−11	4.139−00	2.537−05	4.424−16
46	112	2.621+02	5.246+08	3.601−03	1.864−02	5.291−01	3.632−12	1.754−01	1.512−05	1.038−16
46	113	2.562+02	1.401+08	1.379−03	6.978−03	1.234−01	1.215−12	5.485−02	1.846−05	1.817−16
46	114	2.516+02	1.864+06	1.769−05	8.795−05	1.079−02	1.025−13	4.382−03	2.470−05	2.344−16
46	115	2.499+02	0.000−00	0.000−00	0.000−00	4.793−02	1.496−13	6.271−03	1.262−04	3.940−16
46	116	2.493+02	2.488+07	3.090−04	1.521−03	4.699−00	5.835−11	2.425−00	4.004−07	4.973−18
46	117	2.482+02	1.214+06	7.478−06	3.667−05	8.294−04	5.109−15	2.098−04	8.766−08	5.400−19
46	118	2.459+02	4.497+06	4.078−05	1.981−04	1.060−01	9.615−13	3.840−02	1.287−04	1.167−15
46	119	2.440+02	7.050+06	4.196−05	2.023−04	1.128−02	6.713−14	2.619−03	2.038−06	1.213−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
46	120	2.439+02	0.000−00	0.000−00	0.000−00	8.651−02	2.572−13	1.002−02	1.152−05	3.426−17
46	121	2.428+02	1.686+06	1.986−05	9.527−05	2.611−01	3.078−12	1.182−01	1.513−05	1.783−16
46	122	2.412+02	9.600+06	8.375−05	3.990−04	5.777−02	5.040−13	1.899−02	7.437−05	6.488−16
46	123	2.394+02	2.025+04	1.160−07	5.486−07	8.515−01	4.878−12	1.797−01	2.179−04	1.248−15
46	124	2.260+02	1.657+07	8.457−05	3.775−04	2.300−02	1.173−13	3.633−03	1.920−07	9.797−19
46	125	2.256+02	5.669+07	4.325−04	1.927−03	2.771−01	2.114−12	6.515−02	4.780−05	3.647−16
46	126	2.236+02	0.000−00	0.000−00	0.000−00	4.271−03	1.067−14	3.204−04	3.197−05	7.990−17
46	127	2.139+02	7.911+07	3.617−04	1.528−03	7.517−02	3.437−13	9.027−03	3.982−05	1.821−16
46	128	2.045+02	0.000−00	0.000−00	0.000−00	9.236−02	1.929−13	4.426−03	1.087−03	2.270−15
46	129	2.034+02	1.067+07	8.827−05	3.547−04	2.782−02	2.301−13	5.198−03	1.738−04	1.437−15
46	130	1.985+02	2.537+07	1.499−04	5.879−04	1.307−02	7.723−14	1.622−03	3.434−07	2.029−18
46	131	1.973+02	5.530+08	2.151−03	8.384−03	6.152−01	2.393−12	4.933−02	1.465−04	5.701−16
46	132	1.901+02	0.000−00	0.000−00	0.000−00	3.460−02	6.252−14	1.154−03	2.203−04	3.980−16
46	133	1.835+02	2.672+09	8.988−03	3.258−02	6.149−00	2.069−11	3.430−01	1.052−04	3.539−16
46	134	1.812+02	9.929+07	4.886−04	1.749−03	8.423−01	4.145−12	6.616−02	3.997−05	1.967−16
47	68	5.352+02	4.781+07	1.027−03	7.236−03	1.282−04	2.753−15	7.553−04	0.000−00	0.000−00
47	69	5.135+02	1.482+06	5.856−05	3.959−04	2.546−04	1.006−14	2.437−03	1.129−07	4.463−18
47	71	4.824+02	2.182+05	1.142−05	7.256−05	8.460−04	4.428−14	8.897−03	1.562−06	8.174−17
47	72	4.536+02	0.000−00	0.000−00	0.000−00	5.610−02	3.461−12	5.782−01	2.474−06	1.527−16
47	73	4.490+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.446−08	4.871−18
47	74	4.464+02	0.000−00	0.000−00	0.000−00	6.316−03	3.773−13	6.005−02	3.392−06	2.026−16
47	77	4.331+02	5.311+08	2.240−02	1.277−01	2.885−02	1.217−12	1.768−01	1.370−07	5.778−18
47	78	4.252+02	1.040+08	2.817−03	1.578−02	6.733−04	1.825−14	2.510−03	6.029−07	1.634−17
47	79	4.133+02	0.000−00	0.000−00	0.000−00	7.641−02	3.914−12	4.946−01	5.526−07	2.831−17
47	80	4.119+02	1.301+09	4.962−02	2.691−01	2.114−01	8.065−12	1.008−00	1.400−06	5.339−17
47	81	4.035+02	2.130+07	2.599−04	1.381−03	4.667−03	5.696−14	6.697−03	0.000−00	0.000−00
47	82	3.916+02	0.000−00	0.000−00	0.000−00	3.898−01	1.792−11	1.925−00	2.608−07	1.199−17
47	83	3.810+02	2.800+06	3.047−05	1.528−04	5.142−03	5.595−14	5.536−03	0.000−00	0.000−00
47	84	3.753+02	8.897+06	1.879−04	9.284−04	1.693−02	3.574−13	3.380−02	1.073−06	2.265−17
47	85	3.758+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.983−05	3.167−15
47	86	3.685+02	5.160+08	1.051−02	5.099−02	8.882−04	1.809−14	1.620−03	2.093−05	4.261−16
47	87	3.667+02	0.000−00	0.000−00	0.000−00	8.485−02	3.421−12	3.018−01	3.295−06	1.328−16
47	88	3.631+02	5.478+06	1.624−04	7.763−04	3.105−02	9.205−13	7.883−02	2.490−06	7.381−17
47	89	3.622+02	2.719+08	8.024−03	3.828−02	6.734−03	1.987−13	1.690−02	1.417−05	4.180−16
47	90	3.544+02	3.484+08	6.560−03	3.062−02	6.002−02	1.130−12	8.999−02	3.934−05	7.406−16
47	91	3.489+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.489−05	2.960−15
47	92	3.477+02	5.180+08	9.389−03	4.299−02	1.473−02	2.670−13	2.008−02	7.065−07	1.280−17
47	93	3.407+02	5.291+07	1.381−03	6.198−03	4.572−01	1.194−11	8.450−01	1.545−04	4.034−15
47	94	3.382+02	0.000−00	0.000−00	0.000−00	2.864−01	9.824−12	6.803−01	1.205−04	4.133−15
47	95	3.350+02	4.108+08	1.037−02	4.573−02	2.700−01	6.815−12	4.585−01	1.464−04	3.694−15
47	96	3.324+02	0.000−00	0.000−00	0.000−00	3.597−01	1.192−11	7.832−01	2.846−05	9.429−16
47	97	3.294+02	4.724+09	3.842−02	1.666−01	4.077−01	3.315−12	2.120−01	0.000−00	0.000−00
47	98	3.210+02	2.809+09	4.339−02	1.834−01	1.939−01	2.996−12	1.773−01	6.310−05	9.748−16
47	99	3.188+02	6.626+08	1.514−02	6.357−02	3.970−01	9.073−12	5.260−01	4.731−05	1.081−15
47	100	3.136+02	6.452+08	9.515−03	3.930−02	3.672−03	5.416−14	2.990−03	9.479−06	1.398−16
47	101	3.140+02	2.850+06	6.317−05	2.612−04	1.064−02	2.358−13	1.306−02	1.301−03	2.885−14
47	102	3.037+02	6.622+07	1.373−03	5.491−03	8.694−02	1.803−12	9.033−02	1.174−05	2.434−16
47	103	3.028+02	4.254+08	2.923−03	1.166−02	1.634−02	1.123−13	5.576−03	0.000−00	0.000−00
47	104	2.979+02	5.901+06	7.853−05	3.081−04	8.693−01	1.157−11	5.475−01	4.270−04	5.683−15
47	105	2.958+02	3.849+08	2.524−03	9.831−03	2.756−02	1.808−13	8.370−03	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
47	106	2.960+02	0.000−00	0.000−00	0.000−00	3.804−01	9.992−12	4.637−01	4.198−03	1.103−13
47	107	2.911+02	1.523+08	2.903−03	1.113−02	6.073−01	1.158−11	5.113−01	4.554−03	8.681−14
47	108	2.833+02	0.000−00	0.000−00	0.000−00	2.426−00	5.836−11	2.373−00	8.276−03	1.991−13
47	109	2.814+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.717−04	5.096−15
47	110	2.785+02	3.094+06	3.600−05	1.320−04	5.711−02	6.643−13	2.569−02	4.135−04	4.810−15
47	111	2.720+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.622−04	1.005−14
47	112	2.698+02	6.396+08	6.980−03	2.480−02	8.456−01	9.228−12	3.243−01	9.532−03	1.040−13
47	113	2.636+02	2.774+08	4.334−03	1.505−02	1.331−01	2.080−12	6.818−02	1.532−03	2.394−14
47	114	2.588+02	3.788+09	5.704−02	1.944−01	3.999−01	6.021−12	1.867−01	6.206−03	9.344−14
47	115	2.570+02	1.656+09	8.197−03	2.774−02	1.306−00	6.464−12	1.963−01	0.000−00	0.000−00
47	116	2.562+02	0.000−00	0.000−00	0.000−00	5.002−00	9.848−11	2.965−00	5.972−04	1.176−14
47	117	2.552+02	1.831+09	1.788−02	6.008−02	5.117−00	4.995−11	1.485−00	2.520−03	2.460−14
47	118	2.528+02	2.150+09	3.089−02	1.028−01	7.040−00	1.011−10	2.922−00	4.741−03	6.811−14
47	119	2.507+02	4.118+09	3.881−02	1.282−01	2.913−00	2.745−11	7.743−01	7.413−03	6.986−14
47	120	2.506+02	1.188+09	5.591−03	1.845−02	2.750−02	1.295−13	3.646−03	0.000−00	0.000−00
47	121	2.494+02	0.000−00	0.000−00	0.000−00	2.067−01	3.857−12	1.071−01	9.848−04	1.837−14
47	122	2.478+02	7.182+08	9.914−03	3.234−02	5.839−01	8.060−12	2.193−01	1.893−03	2.613−14
47	123	2.459+02	1.249+06	1.132−05	3.663−05	3.441−01	3.118−12	8.290−02	1.225−03	1.110−14
47	124	2.317+02	1.277+07	1.028−04	3.136−04	8.681−02	6.986−13	1.555−02	1.198−03	9.638−15
47	125	2.313+02	1.002+09	1.205−02	3.670−02	1.507−01	1.813−12	4.015−02	6.472−03	7.785−14
47	126	2.292+02	8.572+06	3.377−05	1.019−04	2.144−00	8.446−12	1.821−01	0.000−00	0.000−00
47	127	2.190+02	2.654+07	1.908−04	5.504−04	2.420−01	1.740−12	3.271−02	1.586−02	1.140−13
47	128	2.091+02	4.482+05	1.469−06	4.047−06	6.642−01	2.178−12	3.564−02	0.000−00	0.000−00
47	129	2.080+02	0.000−00	0.000−00	0.000−00	5.245−01	6.806−12	1.097−01	1.660−03	2.154−14
47	130	2.029+02	1.964+08	1.819−03	4.860−03	3.370−01	3.120−12	4.666−02	8.653−03	8.013−14
47	131	2.016+02	9.156+07	5.581−04	1.482−03	1.727−00	1.053−11	1.544−01	5.205−03	3.173−14
47	132	1.942+02	1.382+08	3.906−04	9.989−04	9.931−01	2.807−12	3.678−02	0.000−00	0.000−00
47	133	1.872+02	9.182+08	4.826−03	1.190−02	3.437−00	1.806−11	2.122−01	1.044−02	5.484−14
47	134	1.848+02	1.566+08	1.204−03	2.930−03	1.302−01	1.000−12	1.130−02	8.548−03	6.568−14
48	68	5.428+02	4.186+07	9.246−04	6.609−03	1.191−03	2.630−14	7.528−03	0.000−00	0.000−00
48	69	5.205+02	2.029+06	8.239−05	5.647−04	7.063−09	2.868−19	7.236−08	2.187−08	8.880−19
48	71	4.886+02	1.064+03	5.714−08	3.676−07	5.314−04	2.853−14	5.956−03	1.942−06	1.043−16
48	72	4.591+02	0.000−00	0.000−00	0.000−00	4.484−03	2.834−13	4.907−02	3.361−06	2.124−16
48	73	4.544+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.409−08	4.185−18
48	74	4.517+02	0.000−00	0.000−00	0.000−00	2.480−02	1.517−12	2.501−01	7.274−06	4.449−16
48	77	4.380+02	2.639+08	1.139−02	6.567−02	1.063−02	4.589−13	6.901−02	1.870−06	8.069−17
48	78	4.300+02	1.001+07	2.775−04	1.571−03	4.439−03	1.230−13	1.750−02	5.935−06	1.645−16
48	79	4.179+02	0.000−00	0.000−00	0.000−00	3.254−01	1.704−11	2.224−00	2.802−06	1.467−16
48	80	4.164+02	6.722+08	2.620−02	1.437−01	3.502−02	1.365−12	1.763−01	1.092−06	4.257−17
48	81	4.078+02	5.007+07	6.242−04	3.352−03	2.587−02	3.226−13	3.916−02	0.000−00	0.000−00
48	82	3.956+02	0.000−00	0.000−00	0.000−00	1.975−01	9.268−12	1.027−00	1.193−06	5.600−17
48	83	3.848+02	1.168+08	1.297−03	6.574−03	2.881−02	3.198−13	3.261−02	0.000−00	0.000−00
48	84	3.790+02	1.489+07	3.207−04	1.601−03	2.000−03	4.308−14	4.197−03	3.232−06	6.962−17
48	85	3.796+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.276−05	2.849−15
48	86	3.721+02	1.160+08	2.409−03	1.180−02	6.267−02	1.301−12	1.200−01	1.486−05	3.085−16
48	87	3.702+02	0.000−00	0.000−00	0.000−00	1.731−01	7.114−12	6.461−01	1.645−08	6.759−19
48	88	3.666+02	1.068+08	3.228−03	1.558−02	1.442−01	4.358−12	3.841−01	1.086−05	3.280−16
48	89	3.657+02	1.062+07	3.194−04	1.538−03	1.976−03	5.944−14	5.203−03	2.930−05	8.814−16
48	90	3.577+02	4.277+07	8.205−04	3.865−03	2.261−02	4.337−13	3.552−02	1.666−04	3.195−15
48	91	3.521+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.803−05	4.090−15

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
48	92	3.509+02	1.404+08	2.591−03	1.197−02	8.312−02	1.534−12	1.186−01	2.139−06	3.948−17
48	93	3.438+02	9.920+07	2.637−03	1.194−02	1.448−03	3.848−14	2.798−03	1.337−04	3.553−15
48	94	3.413+02	0.000−00	0.000−00	0.000−00	3.832−04	1.338−14	9.517−04	2.055−04	7.175−15
48	95	3.380+02	2.365+08	6.075−03	2.704−02	2.676−03	6.874−14	4.748−03	1.743−04	4.476−15
48	96	3.353+02	0.000−00	0.000−00	0.000−00	5.326−02	1.796−12	1.212−01	6.774−05	2.284−15
48	97	3.322+02	2.334+09	1.931−02	8.448−02	1.009−01	8.352−13	5.481−02	0.000−00	0.000−00
48	98	3.237+02	1.713+09	2.692−02	1.147−01	5.686−01	8.934−12	5.424−01	6.641−06	1.043−16
48	99	3.215+02	3.047+08	7.081−03	2.998−02	3.141−01	7.300−12	4.340−01	2.616−04	6.079−15
48	100	3.162+02	1.363+07	2.043−04	8.510−04	1.051−00	1.575−11	8.917−01	3.703−04	5.552−15
48	101	3.166+02	4.264+07	9.611−04	4.007−03	1.390−02	3.133−13	1.779−02	9.084−04	2.048−14
48	102	3.061+02	6.478+06	1.365−04	5.502−04	7.217−01	1.521−11	7.804−01	8.975−05	1.891−15
48	103	3.052+02	3.042+08	2.124−03	8.538−03	1.789−01	1.249−12	6.354−02	0.000−00	0.000−00
48	104	3.003+02	7.969+08	1.077−02	4.260−02	3.401−01	4.597−12	2.227−01	8.071−04	1.091−14
48	105	2.981+02	2.530+08	1.685−03	6.615−03	9.971−02	6.642−13	3.148−02	0.000−00	0.000−00
48	106	2.983+02	0.000−00	0.000−00	0.000−00	1.445−01	3.857−12	1.832−01	5.014−03	1.338−13
48	107	2.934+02	2.419+08	4.683−03	1.809−02	9.644−01	1.867−11	8.435−01	6.482−03	1.255−13
48	108	2.854+02	0.000−00	0.000−00	0.000−00	3.651−00	8.915−11	3.708−00	1.097−02	2.679−13
48	109	2.835+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.944−03	5.855−14
48	110	2.806+02	9.824+08	1.160−02	4.285−02	1.064−04	1.255−15	4.964−05	6.995−06	8.258−17
48	111	2.740+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.977−03	1.119−13
48	112	2.717+02	4.664+08	5.162−03	1.847−02	1.485−01	1.644−12	5.902−02	1.775−02	1.964−13
48	113	2.655+02	1.539+09	2.439−02	8.525−02	1.431−00	2.267−11	7.587−01	7.150−03	1.133−13
48	114	2.605+02	6.159+09	9.401−02	3.225−01	3.990−01	6.090−12	1.927−01	7.606−03	1.161−13
48	115	2.587+02	5.376+09	2.697−02	9.188−02	4.366−01	2.190−12	6.786−02	0.000−00	0.000−00
48	116	2.580+02	0.000−00	0.000−00	0.000−00	1.165−00	2.324−11	7.139−01	6.995−03	1.396−13
48	117	2.569+02	3.291+09	3.257−02	1.102−01	8.516−00	8.426−11	2.556−00	3.574−03	3.536−14
48	118	2.544+02	1.612+09	2.348−02	7.866−02	5.253−00	7.648−11	2.254−00	2.542−03	3.701−14
48	119	2.524+02	5.777+09	5.517−02	1.834−01	3.979−00	3.800−11	1.093−00	1.262−02	1.205−13
48	120	2.522+02	8.159+08	3.892−03	1.293−02	3.370−01	1.607−12	4.616−02	0.000−00	0.000−00
48	121	2.511+02	0.000−00	0.000−00	0.000−00	2.770−00	5.237−11	1.483−00	6.780−03	1.281−13
48	122	2.494+02	2.266+09	3.169−02	1.041−01	1.986−00	2.777−11	7.707−01	7.231−03	1.011−13
48	123	2.474+02	2.092+09	1.920−02	6.257−02	7.844−01	7.201−12	1.952−01	9.598−04	8.810−15
48	124	2.331+02	4.314+07	3.514−04	1.079−03	1.017−01	8.287−13	1.878−02	1.286−03	1.047−14
48	125	2.327+02	3.001+09	3.654−02	1.120−01	3.927−00	4.782−11	1.078−00	1.775−02	2.161−13
48	126	2.306+02	6.562+05	2.616−06	7.946−06	5.309−00	2.117−11	4.647−01	0.000−00	0.000−00
48	127	2.203+02	5.880+08	4.277−03	1.241−02	1.091−01	7.938−13	1.518−02	2.925−02	2.128−13
48	128	2.103+02	8.759+07	2.903−04	8.040−04	2.177−00	7.216−12	1.201−01	0.000−00	0.000−00
48	129	2.092+02	0.000−00	0.000−00	0.000−00	1.263−01	1.657−12	2.714−02	8.234−04	1.080−14
48	130	2.040+02	4.931+08	4.616−03	1.240−02	1.372−00	1.284−11	1.951−01	1.723−02	1.613−13
48	131	2.027+02	9.738+07	5.999−04	1.601−03	6.389−00	3.936−11	5.868−01	1.045−02	6.441−14
48	132	1.952+02	1.463+08	4.177−04	1.074−03	2.960−00	8.453−12	1.125−01	0.000−00	0.000−00
48	133	1.882+02	7.425+08	3.941−03	9.765−03	1.950−03	1.035−14	1.234−04	1.011−02	5.364−14
48	134	1.857+02	1.915+07	1.486−04	3.634−04	6.244−01	4.844−12	5.554−02	1.237−02	9.597−14
49	68	5.521+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.681−08	4.206−19
49	69	5.290+02	0.000−00	0.000−00	0.000−00	3.132−03	6.570−14	3.481−02	1.458−07	3.058−18
49	71	4.961+02	3.487+07	9.650−04	1.261−02	1.965−05	5.438−16	2.377−04	3.189−07	8.826−18
49	72	4.657+02	8.880+07	2.887−03	3.542−02	7.681−03	2.498−13	9.029−02	1.022−07	3.322−18
49	73	4.609+02	6.330+07	2.519−03	3.058−02	1.206−03	4.799−14	1.681−02	2.063−11	8.212−22
49	74	4.581+02	2.670+08	8.399−03	1.013−01	2.373−02	7.466−13	2.568−01	4.294−07	1.351−17
49	75	4.524+02	0.000−00	0.000−00	0.000−00	9.083−02	4.180−12	1.385−00	3.556−10	1.636−20

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
49	77	4.441+02	3.954+07	8.768−04	1.025−02	2.384−02	5.285−13	1.656−01	4.927−08	1.092−18
49	78	4.358+02	0.000−00	0.000−00	0.000−00	1.867−01	2.657−12	7.870−01	1.166−08	1.660−19
49	79	4.233+02	6.070+07	1.631−03	1.818−02	8.019−02	2.155−12	5.850−01	1.377−07	3.699−18
49	80	4.218+02	3.812+07	7.625−04	8.471−03	4.982−02	9.967−13	2.677−01	3.162−10	6.326−21
49	81	4.130+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.311−07	1.478−18
49	82	4.005+02	2.544+08	6.119−03	6.454−02	1.037−01	2.493−12	5.734−01	2.045−07	4.918−18
49	83	3.895+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.305−06	1.879−17
49	84	3.835+02	0.000−00	0.000−00	0.000−00	1.601−04	1.765−15	3.563−04	1.345−06	1.483−17
49	85	3.841+02	4.804+09	1.328−01	1.343−00	7.456−01	2.061−11	4.179−00	8.539−10	2.360−20
49	86	3.765+02	0.000−00	0.000−00	0.000−00	8.195−03	8.707−14	1.663−02	9.607−07	1.021−17
49	87	3.745+02	5.551+06	1.167−04	1.151−03	7.291−02	1.533−12	2.883−01	7.510−07	1.579−17
49	88	3.708+02	9.856+06	1.523−04	1.488−03	3.636−03	5.620−14	1.025−02	9.693−10	1.498−20
49	89	3.699+02	7.757+07	1.193−03	1.163−02	2.248−01	3.458−12	6.265−01	4.249−06	6.538−17
49	90	3.617+02	0.000−00	0.000−00	0.000−00	1.035−01	1.015−12	1.719−01	8.521−07	8.357−18
49	91	3.560+02	2.351+08	5.581−03	5.232−02	4.142−01	9.834−12	1.587−00	2.569−09	6.099−20
49	92	3.547+02	0.000−00	0.000−00	0.000−00	5.986−01	5.647−12	9.022−01	5.152−06	4.860−17
49	93	3.475+02	3.754+09	5.097−02	4.664−01	4.013−03	5.448−14	8.182−03	2.678−06	3.635−17
49	94	3.449+02	3.389+08	6.044−03	5.491−02	8.251−02	1.472−12	2.161−01	1.467−06	2.616−17
49	95	3.415+02	8.886+07	1.166−03	1.048−02	3.339−02	4.379−13	6.244−02	1.408−06	1.847−17
49	96	3.388+02	5.716+09	9.840−02	8.781−01	2.769−00	4.766−11	6.636−00	3.471−06	5.975−17
49	97	3.357+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.553−05	6.561−17
49	98	3.270+02	0.000−00	0.000−00	0.000−00	5.786−02	4.638−13	5.804−02	2.547−05	2.042−16
49	99	3.247+02	3.453+07	4.094−04	3.501−03	4.060−01	4.813−12	5.898−01	1.688−05	2.002−16
49	100	3.194+02	0.000−00	0.000−00	0.000−00	3.181−00	2.432−11	2.835−00	4.071−06	3.113−17
49	101	3.197+02	3.911+08	4.495−03	3.785−02	3.413−01	3.923−12	4.588−01	1.919−08	2.205−19
49	102	3.090+02	2.924+09	3.139−02	2.555−01	2.092−00	2.246−11	2.372−00	1.839−06	1.974−17
49	103	3.081+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.625−07	9.340−19
49	104	3.031+02	0.000−00	0.000−00	0.000−00	1.481−03	1.020−14	1.016−03	1.050−06	7.233−18
49	105	3.009+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.433−05	2.183−16
49	106	3.011+02	9.054+06	1.231−04	9.757−04	3.323−02	4.516−13	4.411−02	1.570−10	2.133−21
49	107	2.961+02	9.876+06	9.734−05	7.591−04	1.371−01	1.352−12	1.256−01	6.284−08	6.194−19
49	108	2.879+02	2.536+06	3.152−05	2.391−04	9.876−04	1.227−14	1.049−03	4.366−07	5.427−18
49	109	2.860+02	8.297+07	1.272−03	9.581−03	1.051−01	1.611−12	1.349−01	8.824−09	1.353−19
49	110	2.831+02	0.000−00	0.000−00	0.000−00	3.302−01	1.983−12	1.610−01	1.606−05	9.648−17
49	111	2.763+02	1.813+07	2.595−04	1.888−03	9.765−01	1.397−11	1.055−00	9.056−07	1.296−17
49	112	2.740+02	0.000−00	0.000−00	0.000−00	4.197−02	2.362−13	1.740−02	1.067−06	6.005−18
49	113	2.676+02	6.679+08	5.380−03	3.792−02	2.737−01	2.205−12	1.513−01	1.264−06	1.018−17
49	114	2.626+02	3.851+06	2.987−05	2.066−04	5.620−01	4.359−12	2.827−01	5.300−06	4.111−17
49	115	2.608+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.001−04	2.552−16
49	116	2.600+02	3.399+07	3.446−04	2.360−03	1.563−00	1.585−11	9.973−01	1.538−06	1.559−17
49	117	2.590+02	0.000−00	0.000−00	0.000−00	8.257−03	4.151−14	2.580−03	9.559−07	4.805−18
49	118	2.565+02	6.244+08	4.618−03	3.119−02	5.133−00	3.796−11	2.291−00	4.559−07	3.372−18
49	119	2.544+02	0.000−00	0.000−00	0.000−00	2.805−05	1.361−16	8.016−06	8.342−06	4.046−17
49	120	2.542+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.356−07	5.708−19
49	121	2.530+02	2.431+07	2.334−04	1.555−03	1.153−01	1.107−12	6.420−02	1.049−07	1.007−18
49	122	2.513+02	3.263+06	2.317−05	1.534−04	7.703−01	5.471−12	3.108−01	5.645−07	4.009−18
49	123	2.494+02	0.000−00	0.000−00	0.000−00	5.907−00	2.753−11	1.528−00	8.856−06	4.128−17
49	124	2.348+02	0.000−00	0.000−00	0.000−00	7.711−01	3.186−12	1.476−01	1.056−05	4.363−17
49	125	2.344+02	1.275+07	7.875−05	4.861−04	1.471−00	9.085−12	4.187−01	1.170−05	7.230−17
49	126	2.323+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.101−04	4.249−16

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
49	127	2.218+02	0.000−00	0.000−00	0.000−00	1.620−01	5.975−13	2.333−02	2.865−06	1.056−17
49	128	2.117+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.390−04	7.372−16
49	129	2.106+02	2.486+06	1.652−05	9.162−05	1.851−01	1.230−12	4.108−02	1.113−07	7.397−19
49	130	2.053+02	6.126+08	2.904−03	1.570−02	1.183−00	5.609−12	1.737−01	5.262−05	2.494−16
49	131	2.040+02	0.000−00	0.000−00	0.000−00	6.633−01	2.069−12	6.287−02	1.528−05	4.768−17
49	132	1.964+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.576−04	8.059−16
49	133	1.893+02	0.000−00	0.000−00	0.000−00	2.134−01	5.729−13	1.390−02	2.277−05	6.113−17
49	134	1.868+02	2.424+09	9.514−03	4.681−02	8.140−00	3.194−11	7.453−01	1.624−05	6.375−17
50	68	5.612+02	0.000−00	0.000−00	0.000−00	4.658−03	7.332−14	3.479−02	1.072−08	1.688−19
50	69	5.373+02	6.866+06	1.981−04	2.103−03	8.526−04	2.460−14	1.025−02	1.880−07	5.425−18
50	71	5.035+02	8.554+06	3.251−04	3.233−03	1.014−03	3.854−14	1.320−02	1.573−06	5.978−17
50	72	4.722+02	8.484+07	3.781−03	3.526−02	9.790−03	4.363−13	1.233−01	8.578−09	3.823−19
50	73	4.672+02	0.000−00	0.000−00	0.000−00	2.486−02	1.356−12	3.711−01	1.593−07	8.687−18
50	74	4.643+02	2.213+07	9.536−04	8.746−03	3.166−04	1.364−14	3.666−03	2.663−06	1.148−16
50	75	4.585+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.081−06	6.813−17
50	77	4.499+02	8.915+07	2.706−03	2.404−02	2.655−02	8.058−13	1.970−01	7.299−07	2.215−17
50	78	4.414+02	1.855+07	3.612−04	3.150−03	1.905−05	3.710−16	8.565−05	3.045−06	5.930−17
50	79	4.287+02	5.822+07	2.139−03	1.811−02	1.185−01	4.353−12	9.205−01	6.958−08	2.556−18
50	80	4.271+02	9.509+04	2.600−06	2.194−05	1.009−01	2.759−12	5.770−01	1.434−06	3.922−17
50	81	4.181+02	0.000−00	0.000−00	0.000−00	1.942−03	1.697−14	3.330−03	2.798−05	2.444−16
50	82	4.053+02	2.514+09	8.255−02	6.608−01	3.604−04	1.183−14	2.115−03	1.095−05	3.596−16
50	83	3.940+02	0.000−00	0.000−00	0.000−00	2.982−03	2.313−14	3.797−03	5.787−07	4.489−18
50	84	3.879+02	7.591+06	1.142−04	8.746−04	2.707−04	4.071−15	6.378−04	5.191−06	7.806−17
50	85	3.885+02	0.000−00	0.000−00	0.000−00	8.074−01	3.044−11	4.790−00	2.692−05	1.015−15
50	86	3.807+02	2.759+07	3.996−04	3.005−03	3.804−02	5.510−13	8.160−02	9.305−07	1.348−17
50	87	3.787+02	1.672+07	4.792−04	3.584−03	3.075−02	8.816−13	1.285−01	3.952−06	1.133−16
50	88	3.749+02	4.781+06	1.007−04	7.457−04	6.625−03	1.396−13	1.973−02	3.689−06	7.771−17
50	89	3.740+02	9.482+06	1.988−04	1.469−03	4.773−02	1.001−12	1.405−01	1.325−05	2.778−16
50	90	3.656+02	1.287+07	1.720−04	1.242−03	1.258−01	1.680−12	2.204−01	2.941−05	3.929−16
50	91	3.597+02	0.000−00	0.000−00	0.000−00	9.276−03	2.999−13	3.747−02	3.751−06	1.213−16
50	92	3.585+02	8.598+08	1.104−02	7.819−02	1.301−02	1.671−13	2.066−02	1.875−06	2.408−17
50	93	3.511+02	1.259+09	2.326−02	1.613−01	2.481−01	4.585−12	5.326−01	3.392−05	6.268−16
50	94	3.485+02	1.012+08	2.455−03	1.690−02	2.922−01	7.091−12	8.052−01	7.180−06	1.743−16
50	95	3.450+02	9.453+08	1.687−02	1.150−01	5.026−01	8.968−12	9.886−01	3.061−05	5.463−16
50	96	3.422+02	2.645+08	6.193−03	4.187−02	3.494−01	8.181−12	8.803−01	1.080−06	2.528−17
50	97	3.390+02	0.000−00	0.000−00	0.000−00	1.705−00	9.794−12	1.024−00	2.424−04	1.392−15
50	98	3.302+02	2.772+08	3.020−03	1.970−02	1.284−00	1.399−11	1.352−00	2.139−05	2.330−16
50	99	3.278+02	1.031+09	1.661−02	1.076−01	2.479−01	3.995−12	3.778−01	5.787−05	9.324−16
50	100	3.224+02	4.192+09	4.355−02	2.773−01	1.524−01	1.584−12	1.425−01	6.659−07	6.918−18
50	101	3.228+02	2.876+08	4.492−03	2.864−02	5.690−05	8.887−16	8.020−05	2.060−04	3.218−15
50	102	3.119+02	1.387+09	2.022−02	1.245−01	3.032−02	4.421−13	3.599−02	9.820−04	1.432−14
50	103	3.109+02	0.000−00	0.000−00	0.000−00	5.512−01	2.663−12	2.149−01	6.826−05	3.298−16
50	104	3.058+02	6.955+07	6.502−04	3.928−03	4.791−03	4.479−14	3.438−03	1.004−03	9.385−15
50	105	3.035+02	0.000−00	0.000−00	0.000−00	5.229−02	2.408−13	1.808−02	3.299−04	1.519−15
50	106	3.038+02	8.951+05	1.651−05	9.908−05	2.241−02	4.135−13	3.111−02	3.326−03	6.135−14
50	107	2.987+02	1.854+08	2.480−03	1.463−02	3.841−01	5.137−12	3.674−01	2.322−04	3.105−15
50	108	2.904+02	4.418+06	7.447−05	4.271−04	4.542−01	7.656−12	5.032−01	3.710−03	6.253−14
50	109	2.884+02	0.000−00	0.000−00	0.000−00	2.032−00	4.224−11	2.721−00	8.439−03	1.754−13
50	110	2.854+02	5.352+06	4.359−05	2.458−04	1.016−02	8.276−14	5.166−03	3.858−04	3.142−15
50	111	2.786+02	0.000−00	0.000−00	0.000−00	2.098−00	4.068−11	2.361−00	2.296−04	4.453−15

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
50	112	2.762+02	4.494+08	3.428−03	1.870−02	8.045−01	6.136−12	3.472−01	3.400−03	2.594−14
50	113	2.698+02	6.225+08	6.792−03	3.619−02	2.055−02	2.242−13	1.181−02	3.165−03	3.453−14
50	114	2.647+02	5.018+08	5.270−03	2.756−02	5.911−00	6.209−11	3.091−00	2.620−03	2.751−14
50	115	2.628+02	0.000−00	0.000−00	0.000−00	4.733−01	1.634−12	7.960−02	5.797−05	2.001−16
50	116	2.621+02	9.868+08	1.355−02	7.012−02	4.145−00	5.690−11	2.748−00	1.390−04	1.908−15
50	117	2.610+02	6.744+08	4.589−03	2.366−02	2.652−00	1.805−11	8.609−01	1.527−03	1.039−14
50	118	2.584+02	1.054+07	1.055−04	5.385−04	1.210−00	1.212−11	5.612−01	2.791−03	2.794−14
50	119	2.563+02	9.832+08	6.455−03	3.268−02	8.784−01	5.766−12	2.605−01	4.075−04	2.675−15
50	120	2.561+02	0.000−00	0.000−00	0.000−00	1.429−00	4.684−12	2.113−01	1.871−03	6.136−15
50	121	2.549+02	5.444+09	7.073−02	3.562−01	4.807−00	6.246−11	2.778−00	8.445−03	1.097−13
50	122	2.532+02	4.583+09	4.404−02	2.203−01	1.893−00	1.819−11	7.924−01	2.469−03	2.373−14
50	123	2.512+02	1.474+08	9.294−04	4.611−03	5.841−01	3.684−12	1.567−01	2.922−07	1.843−18
50	124	2.364+02	4.168+07	2.329−04	1.088−03	5.128−02	2.865−13	1.016−02	6.299−03	3.519−14
50	125	2.360+02	9.595+08	8.013−03	3.736−02	3.543−00	2.959−11	1.044−00	1.391−02	1.162−13
50	126	2.339+02	0.000−00	0.000−00	0.000−00	1.405−00	3.841−12	1.319−01	3.412−02	9.327−14
50	127	2.232+02	3.161+08	1.575−03	6.944−03	2.703−00	1.346−11	4.020−01	1.988−02	9.904−14
50	128	2.130+02	0.000−00	0.000−00	0.000−00	1.808−00	4.099−12	1.063−01	9.598−03	2.176−14
50	129	2.119+02	5.197+08	4.662−03	1.951−02	7.171−01	6.434−12	1.642−01	2.624−03	2.354−14
50	130	2.066+02	7.060+08	4.516−03	1.843−02	3.094−02	1.979−13	4.682−03	1.545−02	9.884−14
50	131	2.052+02	1.344+09	5.656−03	2.293−02	9.827−01	4.137−12	9.598−02	4.002−02	1.685−13
50	132	1.975+02	0.000−00	0.000−00	0.000−00	2.198−00	4.284−12	8.858−02	1.050−02	2.047−14
50	133	1.903+02	1.344+09	4.866−03	1.829−02	3.965−00	1.435−11	2.656−01	2.824−03	1.022−14
50	134	1.879+02	9.642+08	5.101−03	1.893−02	1.301−02	6.880−14	1.224−03	1.005−02	5.319−14
51	68	5.668+02	0.000−00	0.000−00	0.000−00	4.451−03	7.146−14	3.492−02	7.346−07	1.179−17
51	69	5.424+02	1.086+07	3.195−04	3.423−03	1.195−03	3.513−14	1.505−02	2.930−08	8.615−19
51	71	5.079+02	2.366+07	9.152−04	9.182−03	1.077−03	4.167−14	1.465−02	3.325−06	1.286−16
51	72	4.761+02	3.302+07	1.496−03	1.407−02	6.293−03	2.851−13	8.258−02	1.228−06	5.565−17
51	73	4.710+02	0.000−00	0.000−00	0.000−00	2.443−02	1.354−12	3.798−01	2.496−07	1.384−17
51	74	4.681+02	4.760+06	2.085−04	1.928−03	1.691−03	7.408−14	2.039−02	4.831−06	2.116−16
51	75	4.621+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.842−06	1.180−16
51	77	4.535+02	5.743+06	1.770−04	1.586−03	3.214−03	9.909−14	2.480−02	6.691−07	2.063−17
51	78	4.449+02	1.979+06	3.914−05	3.439−04	3.553−04	7.027−15	1.660−03	8.694−07	1.720−17
51	79	4.319+02	1.926+07	7.180−04	6.126−03	8.070−02	3.009−12	6.507−01	8.284−06	3.089−16
51	80	4.303+02	3.852+06	1.069−04	9.088−04	6.222−02	1.727−12	3.693−01	4.022−06	1.116−16
51	81	4.212+02	0.000−00	0.000−00	0.000−00	1.309−03	1.161−14	2.328−03	4.395−06	3.896−17
51	82	4.082+02	1.026+09	3.415−02	2.754−01	5.355−03	1.783−13	3.256−02	1.890−05	6.296−16
51	83	3.967+02	0.000−00	0.000−00	0.000−00	3.168−04	2.491−15	4.175−04	1.756−06	1.381−17
51	84	3.905+02	8.182+06	1.247−04	9.621−04	5.081−08	7.745−19	1.238−07	1.955−05	2.980−16
51	85	3.911+02	0.000−00	0.000−00	0.000−00	2.259−01	8.635−12	1.386−00	5.536−05	2.116−15
51	86	3.832+02	1.229+03	1.805−08	1.366−07	3.401−02	4.991−13	7.540−02	8.816−07	1.294−17
51	87	3.812+02	2.498+06	7.257−05	5.465−04	5.051−02	1.467−12	2.182−01	7.173−08	2.084−18
51	88	3.773+02	2.921+05	6.234−06	4.647−05	3.344−03	7.138−14	1.029−02	1.703−05	3.635−16
51	89	3.764+02	2.412+07	5.125−04	3.810−03	6.137−03	1.304−13	1.866−02	3.784−05	8.038−16
51	90	3.679+02	6.404+07	8.666−04	6.298−03	4.172−03	5.645−14	7.547−03	3.405−05	4.607−16
51	91	3.620+02	0.000−00	0.000−00	0.000−00	1.577−02	5.162−13	6.571−02	4.994−06	1.635−16
51	92	3.607+02	6.946+08	9.033−03	6.436−02	7.026−02	9.137−13	1.151−01	2.584−05	3.360−16
51	93	3.532+02	4.577+08	8.561−03	5.974−02	3.354−02	6.275−13	7.424−02	6.066−05	1.135−15
51	94	3.506+02	7.713+07	1.895−03	1.312−02	1.835−01	4.508−12	5.213−01	2.655−05	6.523−16
51	95	3.471+02	4.641+08	8.382−03	5.747−02	3.755−02	6.782−13	7.612−02	9.975−05	1.802−15
51	96	3.443+02	2.258+08	5.351−03	3.639−02	2.075−01	4.917−12	5.386−01	1.907−05	4.518−16

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
51	97	3.410+02	0.000−00	0.000−00	0.000−00	6.757−01	3.927−12	4.182−01	1.649−04	9.582−16
51	98	3.321+02	1.058+08	1.166−03	7.648−03	6.408−01	7.063−12	6.943−01	2.020−06	2.226−17
51	99	3.297+02	5.629+08	9.174−03	5.975−02	3.180−01	5.183−12	4.987−01	2.064−04	3.364−15
51	100	3.242+02	1.210+09	1.271−02	8.142−02	8.138−02	8.550−13	7.822−02	1.905−05	2.002−16
51	101	3.246+02	3.741+06	5.909−05	3.788−04	8.745−02	1.381−12	1.268−01	1.900−04	3.001−15
51	102	3.136+02	4.458+08	6.570−03	4.070−02	1.058−01	1.560−12	1.291−01	2.184−03	3.220−14
51	103	3.126+02	0.000−00	0.000−00	0.000−00	4.541−01	2.218−12	1.819−01	6.642−04	3.244−15
51	104	3.075+02	1.529+08	1.445−03	8.774−03	1.224−00	1.157−11	9.026−01	2.516−03	2.377−14
51	105	3.052+02	0.000−00	0.000−00	0.000−00	4.608−02	2.144−13	1.636−02	1.168−04	5.435−16
51	106	3.054+02	1.476+08	2.751−03	1.660−02	3.544−09	6.606−20	5.050−09	6.801−03	1.268−13
51	107	3.002+02	2.274+08	3.073−03	1.822−02	1.841−00	2.488−11	1.808−00	1.439−03	1.945−14
51	108	2.919+02	5.287+06	9.002−05	5.189−04	4.313−01	7.344−12	4.901−01	7.590−03	1.292−13
51	109	2.899+02	0.000−00	0.000−00	0.000−00	7.180−00	1.508−10	9.859−00	1.774−02	3.726−13
51	110	2.869+02	6.189+08	5.090−03	2.884−02	2.946−01	2.423−12	1.535−01	3.424−04	2.816−15
51	111	2.800+02	0.000−00	0.000−00	0.000−00	2.056−01	4.025−12	2.370−01	1.152−04	2.256−15
51	112	2.776+02	1.244+08	9.582−04	5.254−03	4.250−01	3.273−12	1.879−01	5.614−03	4.324−14
51	113	2.710+02	9.031+05	9.947−06	5.325−05	2.808−01	3.093−12	1.653−01	6.993−03	7.702−14
51	114	2.659+02	1.388+09	1.472−02	7.731−02	5.551−00	5.884−11	2.970−00	4.999−03	5.300−14
51	115	2.640+02	0.000−00	0.000−00	0.000−00	3.287−01	1.145−12	5.655−02	1.364−04	4.750−16
51	116	2.633+02	6.052+08	8.384−03	4.360−02	6.482−06	8.980−17	4.397−06	2.953−04	4.090−15
51	117	2.621+02	1.423+09	9.772−03	5.060−02	6.444−00	4.426−11	2.140−00	3.600−03	2.472−14
51	118	2.596+02	7.964+08	8.044−03	4.125−02	3.653−03	3.690−14	1.732−03	3.485−03	3.520−14
51	119	2.574+02	7.299+08	4.835−03	2.458−02	5.773−03	3.824−14	1.751−03	9.421−04	6.240−15
51	120	2.573+02	0.000−00	0.000−00	0.000−00	3.489−01	1.154−12	5.277−02	4.540−03	1.502−14
51	121	2.561+02	1.340+10	1.756−01	8.884−01	1.195+01	1.566−10	7.058−00	1.829−02	2.397−13
51	122	2.543+02	8.174+09	7.925−02	3.981−01	1.228+01	1.191−10	5.256−00	2.961−03	2.871−14
51	123	2.523+02	7.760+07	4.937−04	2.460−03	4.184−01	2.662−12	1.147−01	2.324−03	1.479−14
51	124	2.374+02	2.642+06	1.488−05	6.977−05	1.204−02	6.779−14	2.435−03	1.342−02	7.557−14
51	125	2.370+02	2.292+09	1.930−02	9.035−02	1.053−00	8.863−12	3.166−01	3.318−02	2.794−13
51	126	2.348+02	0.000−00	0.000−00	0.000−00	3.269−00	9.009−12	3.132−01	8.224−02	2.267−13
51	127	2.241+02	3.656+09	1.835−02	8.124−02	9.544−00	4.791−11	1.448−00	3.133−02	1.573−13
51	128	2.138+02	0.000−00	0.000−00	0.000−00	8.600−01	1.964−12	5.151−02	2.880−02	6.578−14
51	129	2.126+02	3.122+09	2.821−02	1.185−01	4.213−00	3.808−11	9.826−01	1.347−02	1.218−13
51	130	2.073+02	2.859+07	1.842−04	7.543−04	1.176−01	7.574−13	1.811−02	4.744−02	3.056−13
51	131	2.060+02	7.963+07	3.376−04	1.373−03	8.496−00	3.602−11	8.447−01	1.168−01	4.953−13
51	132	1.982+02	0.000−00	0.000−00	0.000−00	2.747−00	5.392−12	1.126−01	8.049−02	1.580−13
51	133	1.909+02	1.737+09	6.331−03	2.388−02	6.169−01	2.248−12	4.202−02	6.693−03	2.439−14
51	134	1.885+02	9.504+08	5.060−03	1.884−02	2.828−01	1.506−12	2.705−02	2.775−02	1.477−13
52	68	5.727+02	1.918+06	4.716−05	3.557−04	3.487−04	8.572−15	2.881−03	0.000−00	0.000−00
52	69	5.478+02	3.276+05	1.474−05	1.064−04	5.571−06	2.507−16	7.376−05	1.640−06	7.379−17
52	71	5.127+02	4.394+06	2.597−04	1.754−03	9.362−04	5.534−14	1.334−02	1.536−06	9.078−17
52	72	4.803+02	0.000−00	0.000−00	0.000−00	2.605−04	1.801−14	3.571−03	5.580−07	3.859−17
52	73	4.751+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.156−06	9.782−17
52	74	4.721+02	0.000−00	0.000−00	0.000−00	2.043−02	1.365−12	2.571−01	5.264−07	3.518−17
52	77	4.573+02	3.823+06	1.798−04	1.082−03	8.929−02	4.199−12	7.183−01	4.185−07	1.968−17
52	78	4.485+02	1.411+07	4.256−04	2.514−03	3.177−02	9.581−13	1.547−01	1.047−06	3.159−17
52	79	4.353+02	0.000−00	0.000−00	0.000−00	3.536−02	2.009−12	2.966−01	4.463−06	2.536−16
52	80	4.337+02	1.126+08	4.762−03	2.719−02	1.431−01	6.051−12	8.833−01	7.776−06	3.289−16
52	81	4.245+02	4.552+05	6.147−06	3.436−05	2.363−01	3.191−12	4.367−01	0.000−00	0.000−00
52	82	4.112+02	0.000−00	0.000−00	0.000−00	2.996−02	1.519−12	1.891−01	1.023−05	5.188−16

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
52	83	3.996+02	6.417+06	7.681−05	4.042−04	2.515−01	3.010−12	3.437−01	0.000−00	0.000−00
52	84	3.933+02	4.590+06	1.065−04	5.514−04	7.265−03	1.685−13	1.835−02	1.066−07	2.472−18
52	85	3.939+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.063−05	1.200−15
52	86	3.859+02	4.919+07	1.098−03	5.582−03	7.538−02	1.683−12	1.731−01	4.749−05	1.060−15
52	87	3.839+02	0.000−00	0.000−00	0.000−00	7.822−01	3.456−11	3.499−00	8.411−07	3.716−17
52	88	3.799+02	6.112+04	1.984−06	9.925−06	5.461−01	1.773−11	1.740−00	7.917−07	2.570−17
52	89	3.790+02	5.725+07	1.850−03	9.232−03	2.041−01	6.593−12	6.424−01	2.545−06	8.221−17
52	90	3.704+02	9.159+07	1.884−03	9.191−03	2.180−02	4.485−13	4.079−02	2.374−04	4.884−15
52	91	3.644+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.015−06	1.003−16
52	92	3.631+02	3.162+06	6.251−05	2.989−04	1.576−01	3.115−12	2.669−01	2.574−10	5.089−21
52	93	3.555+02	1.271+08	3.613−03	1.692−02	1.256−01	3.570−12	2.871−01	9.193−06	2.613−16
52	94	3.528+02	0.000−00	0.000−00	0.000−00	5.150−01	1.922−11	1.511−00	1.550−06	5.788−17
52	95	3.493+02	1.770+08	4.856−03	2.234−02	8.748−03	2.400−13	1.831−02	4.716−06	1.294−16
52	96	3.465+02	0.000−00	0.000−00	0.000−00	2.084−01	7.500−12	5.582−01	4.094−06	1.473−16
52	97	3.432+02	4.437+07	3.917−04	1.770−03	1.302−01	1.150−12	8.316−02	0.000−00	0.000−00
52	98	3.341+02	3.364+08	5.629−03	2.477−02	3.690−02	6.175−13	4.121−02	4.454−04	7.454−15
52	99	3.317+02	3.726+08	9.221−03	4.028−02	3.711−01	9.183−12	5.998−01	2.523−04	6.244−15
52	100	3.261+02	2.236+06	3.565−05	1.531−04	3.919−01	6.250−12	3.880−01	9.550−05	1.523−15
52	101	3.265+02	9.193+06	2.204−04	9.476−04	1.972−01	4.729−12	2.946−01	4.883−05	1.171−15
52	102	3.154+02	1.893+08	4.235−03	1.759−02	2.323−00	5.196−11	2.917−00	9.225−05	2.063−15
52	103	3.144+02	1.911+09	1.416−02	5.862−02	6.335−01	4.694−12	2.611−01	0.000−00	0.000−00
52	104	3.092+02	1.076+09	1.542−02	6.278−02	1.467−03	2.103−14	1.113−03	1.813−03	2.599−14
52	105	3.069+02	3.986+09	2.814−02	1.137−01	1.905−00	1.345−11	6.956−01	0.000−00	0.000−00
52	106	3.071+02	0.000−00	0.000−00	0.000−00	7.772−02	2.198−12	1.139−01	3.503−04	9.905−15
52	107	3.019+02	5.121+07	1.049−03	4.172−03	4.265−01	8.742−12	4.304−01	3.241−03	6.642−14
52	108	2.934+02	0.000−00	0.000−00	0.000−00	4.109−00	1.061−10	4.795−00	3.994−04	1.031−14
52	109	2.914+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.903−03	6.057−14
52	110	2.884+02	2.948+06	3.675−05	1.396−04	2.904−01	3.620−12	1.553−01	8.509−05	1.061−15
52	111	2.814+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.804−02	5.354−13
52	112	2.790+02	3.468+08	4.048−03	1.487−02	1.340−01	1.564−12	6.077−02	3.638−03	4.245−14
52	113	2.724+02	6.220+09	1.038−01	3.722−01	3.819−02	6.373−13	2.305−02	6.247−03	1.042−13
52	114	2.672+02	7.930+08	1.273−02	4.480−02	2.963−02	4.758−13	1.624−02	6.208−03	9.969−14
52	115	2.653+02	8.752+09	4.617−02	1.613−01	2.088−00	1.102−11	3.681−01	0.000−00	0.000−00
52	116	2.645+02	0.000−00	0.000−00	0.000−00	5.319−02	1.116−12	3.696−02	1.964−02	4.120−13
52	117	2.634+02	4.336+08	4.510−03	1.564−02	3.904−02	4.061−13	1.328−02	1.640−03	1.705−14
52	118	2.608+02	4.330+09	6.624−02	2.275−01	1.175−01	1.797−12	5.704−02	2.500−03	3.824−14
52	119	2.587+02	4.273+07	4.286−04	1.460−03	1.687−01	1.692−12	5.240−02	1.772−04	1.777−15
52	120	2.585+02	1.021+09	5.115−03	1.741−02	4.852−01	2.431−12	7.514−02	0.000−00	0.000−00
52	121	2.573+02	0.000−00	0.000−00	0.000−00	3.373−01	6.695−12	2.040−01	4.407−03	8.747−14
52	122	2.555+02	8.859+08	1.300−02	4.375−02	3.003−02	4.409−13	1.316−02	3.955−03	5.806−14
52	123	2.535+02	1.233+10	1.188−01	3.965−01	9.459−01	9.110−12	2.654−01	4.868−03	4.689−14
52	124	2.384+02	1.046+09	8.916−03	2.799−02	1.100−02	9.377−14	2.274−03	2.844−02	2.424−13
52	125	2.380+02	1.949+07	2.483−04	7.783−04	2.947−02	3.755−13	9.061−03	2.705−02	3.446−13
52	126	2.359+02	8.978+08	3.744−03	1.163−02	1.858−01	7.747−13	1.819−02	0.000−00	0.000−00
52	127	2.250+02	1.457+08	1.106−03	3.278−03	4.872−00	3.699−11	7.544−01	1.540−02	1.169−13
52	128	2.146+02	1.892+09	6.531−03	1.846−02	9.395−01	3.244−12	5.739−02	0.000−00	0.000−00
52	129	2.135+02	0.000−00	0.000−00	0.000−00	2.585−01	3.533−12	6.149−02	2.854−02	3.900−13
52	130	2.081+02	6.245+09	6.082−02	1.667−01	1.896−01	1.846−12	2.977−02	1.259−02	1.226−13
52	131	2.067+02	1.363+05	8.734−07	2.378−06	9.846−02	6.309−13	9.976−03	7.145−02	4.579−13
52	132	1.989+02	1.712+08	5.077−04	1.330−03	2.280−00	6.762−12	9.522−02	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
52	133	1.916+02	1.690+08	9.306−04	2.348−03	1.376−01	7.575−13	9.537−03	6.192−02	3.408−13
52	134	1.891+02	1.626+08	1.308−03	3.257−03	6.082−00	4.892−11	5.920−01	2.154−02	1.732−13
53	68	5.820+02	7.802+05	3.961−05	1.518−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
53	69	5.563+02	2.357+06	2.187−04	8.012−04	1.869−03	1.734−13	2.672−02	0.000−00	0.000−00
53	71	5.201+02	0.000−00	0.000−00	0.000−00	2.654−02	3.229−12	4.064−01	6.837−07	8.318−17
53	72	4.868+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.449−06	3.480−16
53	74	4.784+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.649−06	2.264−16
53	77	4.632+02	0.000−00	0.000−00	0.000−00	9.039−07	8.721−17	7.753−06	2.540−05	2.451−15
53	78	4.542+02	4.338+08	2.683−02	8.023−02	1.931−02	1.194−12	1.001−01	0.000−00	0.000−00
53	79	4.407+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.472−06	5.208−16
53	80	4.390+02	0.000−00	0.000−00	0.000−00	4.904−03	4.251−13	3.218−02	1.856−05	1.609−15
53	81	4.295+02	6.812+08	1.884−02	5.329−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
53	82	4.160+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.779−05	4.960−15
53	83	4.041+02	2.396+07	5.866−04	1.561−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
53	84	3.977+02	4.871+06	2.310−04	6.048−04	6.701−01	3.178−11	1.788−00	0.000−00	0.000−00
53	86	3.901+02	1.931+08	8.812−03	2.263−02	2.153−02	9.827−13	5.220−02	0.000−00	0.000−00
53	87	3.880+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.285−07	2.063−17
53	88	3.840+02	0.000−00	0.000−00	0.000−00	4.656−01	3.088−11	1.564−00	3.499−06	2.321−16
53	89	3.831+02	0.000−00	0.000−00	0.000−00	2.235−02	1.475−12	7.419−02	1.888−06	1.246−16
53	90	3.743+02	1.740+09	7.310−02	1.802−01	6.988−02	2.935−12	1.377−01	0.000−00	0.000−00
53	92	3.668+02	2.594+08	1.047−02	2.528−02	1.826−02	7.368−13	3.254−02	0.000−00	0.000−00
53	93	3.591+02	0.000−00	0.000−00	0.000−00	7.156−03	4.150−13	1.719−02	9.266−06	5.374−16
53	94	3.563+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.983−06	1.510−16
53	95	3.527+02	0.000−00	0.000−00	0.000−00	1.858−01	1.040−11	4.084−01	5.893−05	3.298−15
53	96	3.499+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.522−06	1.851−16
53	97	3.465+02	7.857+07	1.414−03	3.226−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
53	98	3.372+02	1.003+09	3.419−02	7.593−02	6.788−05	2.315−15	7.945−05	0.000−00	0.000−00
53	99	3.348+02	0.000−00	0.000−00	0.000−00	1.905−01	9.606−12	3.226−01	2.056−04	1.036−14
53	100	3.291+02	1.170+09	3.802−02	8.239−02	1.954−01	6.346−12	2.024−01	0.000−00	0.000−00
53	101	3.295+02	0.000−00	0.000−00	0.000−00	2.571−03	1.255−13	4.018−03	1.346−07	6.573−18
53	102	3.182+02	0.000−00	0.000−00	0.000−00	6.194−01	2.820−11	8.125−01	5.127−05	2.334−15
53	103	3.172+02	3.973+08	5.993−03	1.252−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
53	104	3.119+02	5.772+05	1.683−05	3.457−05	8.668−02	2.528−12	6.862−02	0.000−00	0.000−00
53	105	3.095+02	6.347+09	9.116−02	1.858−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
53	106	3.098+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.402−03	1.382−13
53	107	3.045+02	0.000−00	0.000−00	0.000−00	5.683−01	2.369−11	5.981−01	7.206−04	3.004−14
53	108	2.958+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.966−05	5.231−15
53	110	2.907+02	1.251+08	3.170−03	6.067−03	1.181−00	2.993−11	6.578−01	0.000−00	0.000−00
53	112	2.812+02	3.840+09	9.103−02	1.685−01	4.748−03	1.126−13	2.239−03	0.000−00	0.000−00
53	113	2.745+02	0.000−00	0.000−00	0.000−00	4.001−01	1.356−11	2.508−01	9.154−04	3.102−14
53	114	2.692+02	0.000−00	0.000−00	0.000−00	1.904−01	6.207−12	1.084−01	4.171−03	1.360−13
53	115	2.673+02	1.937+08	2.075−03	3.651−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
53	116	2.665+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.326−04	2.694−14
53	117	2.654+02	1.663+08	3.512−03	6.135−03	1.565−01	3.305−12	5.524−02	0.000−00	0.000−00
53	118	2.627+02	0.000−00	0.000−00	0.000−00	7.905−01	2.454−11	3.981−01	7.726−05	2.398−15
53	119	2.605+02	9.333+07	1.899−03	3.258−03	1.367−01	2.783−12	4.403−02	0.000−00	0.000−00
53	120	2.604+02	9.446+06	9.602−05	1.646−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
53	121	2.591+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.128−03	8.569−14
53	122	2.573+02	0.000−00	0.000−00	0.000−00	2.634−02	7.844−13	1.196−02	8.587−06	2.557−16
53	123	2.553+02	8.057+06	1.574−04	2.646−04	4.814−01	9.406−12	1.400−01	0.000−00	0.000−00

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i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
53	124	2.400+02	1.590+07	2.747−04	4.341−04	1.109−01	1.915−12	2.369−02	0.000−00	0.000−00
53	125	2.396+02	0.000−00	0.000−00	0.000−00	2.868−00	7.405−11	9.114−01	1.938−05	5.003−16
53	126	2.374+02	3.231+09	2.731−02	4.268−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
53	127	2.264+02	8.712+07	1.340−03	1.997−03	6.628−02	1.019−12	1.059−02	0.000−00	0.000−00
53	128	2.159+02	1.197+08	8.364−04	1.189−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
53	129	2.148+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.393−03	3.851−14
53	130	2.093+02	0.000−00	0.000−00	0.000−00	5.286−01	1.042−11	8.545−02	1.128−02	2.223−13
53	131	2.079+02	1.145+08	1.484−03	2.032−03	7.718−02	1.001−12	8.049−03	0.000−00	0.000−00
53	132	2.000+02	2.014+08	1.208−03	1.591−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
53	133	1.926+02	6.885+06	7.661−05	9.718−05	4.539−01	5.052−12	3.232−02	0.000−00	0.000−00
53	134	1.901+02	0.000−00	0.000−00	0.000−00	1.072−00	1.743−11	1.072−01	1.056−02	1.716−13
54	68	6.585+02	2.242+05	7.287−06	6.319−05	3.857−06	1.254−16	6.408−05	0.000−00	0.000−00
54	69	6.259+02	2.161+06	1.269−04	1.046−03	7.412−05	4.353−15	1.910−03	1.041−10	6.116−21
54	71	5.804+02	2.021+04	1.531−06	1.170−05	4.445−04	3.367−14	1.178−02	1.102−08	8.345−19
54	72	5.392+02	0.000−00	0.000−00	0.000−00	1.329−02	1.159−12	3.251−01	3.650−07	3.182−17
54	73	5.327+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.014−07	7.459−17
54	74	5.290+02	0.000−00	0.000−00	0.000−00	1.533−02	1.286−12	3.407−01	9.198−07	7.717−17
54	77	5.104+02	8.390+07	4.915−03	3.303−02	6.297−04	3.689−14	8.776−03	6.047−06	3.542−16
54	78	4.995+02	8.657+07	3.238−03	2.130−02	4.986−02	1.865−12	4.158−01	2.397−05	8.967−16
54	79	4.832+02	0.000−00	0.000−00	0.000−00	7.768−02	5.438−12	1.098−00	1.051−05	7.358−16
54	80	4.812+02	1.614+08	8.406−03	5.327−02	3.586−04	1.868−14	3.724−03	3.051−06	1.589−16
54	81	4.699+02	6.714+07	1.111−03	6.874−03	4.278−02	7.079−13	1.314−01	0.000−00	0.000−00
54	82	4.537+02	0.000−00	0.000−00	0.000−00	5.663−03	3.496−13	5.842−02	2.607−06	1.609−16
54	83	4.396+02	1.059+08	1.534−03	8.882−03	4.805−02	6.961−13	1.058−01	0.000−00	0.000−00
54	84	4.320+02	2.951+06	8.256−05	4.697−04	1.024−01	2.866−12	4.135−01	7.088−07	1.983−17
54	85	4.327+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.426−07	2.404−17
54	86	4.231+02	2.846+08	7.638−03	4.256−02	1.185−01	3.180−12	4.310−01	2.727−06	7.319−17
54	87	4.206+02	0.000−00	0.000−00	0.000−00	1.910−02	1.013−12	1.349−01	1.602−06	8.499−17
54	88	4.159+02	5.828+07	2.267−03	1.242−02	6.163−02	2.397−12	3.086−01	1.401−07	5.449−18
54	89	4.148+02	3.269+08	1.265−02	6.911−02	4.089−02	1.582−12	2.021−01	1.884−06	7.290−17
54	90	4.045+02	5.630+08	1.381−02	7.359−02	4.218−01	1.035−11	1.226−00	2.699−06	6.622−17
54	91	3.974+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.028−06	1.200−16
54	92	3.958+02	1.131+08	2.657−03	1.385−02	1.727−01	4.058−12	4.503−01	4.053−07	9.520−18
54	93	3.868+02	6.138+08	2.066−02	1.052−01	2.247−01	7.563−12	7.834−01	2.030−06	6.833−17
54	94	3.836+02	0.000−00	0.000−00	0.000−00	4.697−03	2.073−13	2.094−02	2.462−08	1.087−18
54	95	3.795+02	3.661+08	1.185−02	5.924−02	8.455−03	2.738−13	2.678−02	2.707−06	8.767−17
54	96	3.761+02	0.000−00	0.000−00	0.000−00	3.766−01	1.598−11	1.521−00	3.889−06	1.650−16
54	97	3.723+02	9.606+07	9.979−04	4.892−03	1.728−03	1.795−14	1.657−03	0.000−00	0.000−00
54	98	3.616+02	4.427+08	8.678−03	4.132−02	4.849−02	9.506−13	8.044−02	5.381−06	1.055−16
54	99	3.588+02	2.545+09	7.368−02	3.481−01	2.977−01	8.617−12	7.123−01	7.525−06	2.179−16
54	100	3.523+02	6.500+07	1.210−03	5.612−03	9.101−02	1.694−12	1.325−01	3.192−05	5.939−16
54	101	3.527+02	4.837+06	1.353−04	6.286−04	6.143−03	1.719−13	1.350−02	6.037−06	1.689−16
54	102	3.398+02	2.689+08	6.980−03	3.123−02	9.089−03	2.359−13	1.656−02	2.775−04	7.204−15
54	103	3.386+02	3.803+09	3.269−02	1.458−01	3.454−01	2.969−12	2.064−01	0.000−00	0.000−00
54	104	3.326+02	1.358+09	2.252−02	9.864−02	2.368−01	3.927−12	2.586−01	1.073−03	1.780−14
54	105	3.299+02	7.938+08	6.477−03	2.814−02	7.783−02	6.351−13	4.081−02	0.000−00	0.000−00
54	106	3.302+02	0.000−00	0.000−00	0.000−00	9.147−04	2.990−14	1.926−03	6.225−05	2.035−15
54	107	3.242+02	6.263+06	1.480−04	6.318−04	2.478−02	5.857−13	3.570−02	4.576−04	1.081−14
54	108	3.144+02	0.000−00	0.000−00	0.000−00	1.696−00	5.028−11	2.797−00	1.207−04	3.577−15
54	109	3.121+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.629−04	1.325−14

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
54	110	3.086+02	3.479+09	4.968−02	2.019−01	3.069−00	4.382−11	2.305−00	3.851−05	5.499−16
54	111	3.006+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.310−03	7.825−14
54	112	2.979+02	2.628+07	3.497−04	1.372−03	3.997−01	5.319−12	2.517−01	2.425−05	3.227−16
54	113	2.904+02	5.792+07	1.098−03	4.201−03	1.580−01	2.997−12	1.313−01	1.118−04	2.120−15
54	114	2.845+02	6.012+08	1.094−02	4.100−02	6.728−03	1.225−13	5.048−03	4.232−05	7.704−16
54	115	2.824+02	8.801+08	5.259−03	1.955−02	2.398−00	1.433−11	5.773−01	0.000−00	0.000−00
54	116	2.815+02	0.000−00	0.000−00	0.000−00	8.891−04	2.112−14	8.429−04	7.812−03	1.856−13
54	117	2.802+02	1.254+09	1.475−02	5.444−02	2.562−01	3.016−12	1.187−01	1.647−04	1.939−15
54	118	2.773+02	2.455+09	4.244−02	1.549−01	4.738−03	8.191−14	3.124−03	3.874−03	6.698−14
54	119	2.748+02	1.066+07	1.207−04	4.369−04	1.349−01	1.528−12	5.675−02	8.834−05	1.000−15
54	120	2.747+02	1.502+05	8.496−07	3.073−06	1.937−01	1.095−12	4.062−02	0.000−00	0.000−00
54	121	2.733+02	0.000−00	0.000−00	0.000−00	8.395−05	1.880−15	6.865−05	1.230−04	2.754−15
54	122	2.713+02	2.910+08	4.816−03	1.720−02	4.970−01	8.225−12	2.938−01	6.417−04	1.062−14
54	123	2.690+02	4.018+09	4.358−02	1.544−01	3.112−01	3.376−12	1.176−01	5.763−04	6.251−15
54	124	2.521+02	7.930+08	7.557−03	2.509−02	2.138−01	2.037−12	5.842−02	7.680−04	7.318−15
54	125	2.517+02	1.483+07	2.113−04	7.001−04	4.076−00	5.804−11	1.655−00	7.448−03	1.061−13
54	126	2.492+02	2.024+08	9.423−04	3.092−03	2.624−00	1.222−11	3.385−01	0.000−00	0.000−00
54	127	2.372+02	8.370+08	7.059−03	2.205−02	9.139−01	7.708−12	1.840−01	2.269−03	1.914−14
54	128	2.256+02	2.856+09	1.090−02	3.239−02	1.541−00	5.883−12	1.209−01	0.000−00	0.000−00
54	129	2.244+02	0.000−00	0.000−00	0.000−00	2.201−01	3.322−12	6.714−02	3.111−03	4.696−14
54	130	2.184+02	2.434+08	2.612−03	7.514−03	1.885−00	2.023−11	3.773−01	2.236−03	2.399−14
54	131	2.169+02	4.444+08	3.136−03	8.958−03	3.744−02	2.642−13	4.827−03	1.450−02	1.023−13
54	132	2.083+02	1.700+08	5.532−04	1.518−03	1.564−00	5.087−12	8.231−02	0.000−00	0.000−00
54	133	2.004+02	1.077+08	6.480−04	1.710−03	3.399−02	2.045−13	2.944−03	6.595−06	3.969−17
54	134	1.976+02	6.075+08	5.335−03	1.388−02	3.711−01	3.259−12	4.501−02	4.908−04	4.310−15
55	68	7.090+02	4.327+06	3.261−04	1.523−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
55	69	6.713+02	5.746+06	7.764−04	3.432−03	1.159−03	1.567−13	4.242−02	0.000−00	0.000−00
55	71	6.193+02	0.000−00	0.000−00	0.000−00	5.643−03	9.733−13	2.068−01	3.034−07	5.233−17
55	72	5.726+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.075−06	6.046−16
55	74	5.611+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.154−06	7.842−16
55	77	5.402+02	0.000−00	0.000−00	0.000−00	3.892−04	5.108−14	7.205−03	4.296−07	5.639−17
55	78	5.280+02	5.972+06	4.993−04	1.736−03	3.989−03	3.335−13	4.392−02	0.000−00	0.000−00
55	79	5.099+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.536−08	1.175−17
55	80	5.076+02	0.000−00	0.000−00	0.000−00	1.457−02	1.689−12	1.976−01	1.166−06	1.351−16
55	81	4.950+02	9.566+06	3.514−04	1.145−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
55	82	4.771+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.375−05	4.608−15
55	83	4.615+02	2.850+07	9.102−04	2.766−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
55	84	4.532+02	3.530+06	2.174−04	6.486−04	1.034−03	6.367−14	5.302−03	0.000−00	0.000−00
55	86	4.434+02	4.304+07	2.537−03	7.407−03	3.851−02	2.270−12	1.770−01	0.000−00	0.000−00
55	87	4.407+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.351−09	7.396−19
55	88	4.355+02	0.000−00	0.000−00	0.000−00	2.078−04	1.773−14	1.310−03	9.748−07	8.315−17
55	89	4.343+02	0.000−00	0.000−00	0.000−00	9.405−04	7.979−14	5.848−03	5.989−07	5.080−17
55	90	4.230+02	4.765+08	2.557−02	7.122−02	8.551−03	4.589−13	3.108−02	0.000−00	0.000−00
55	92	4.135+02	2.422+07	1.242−03	3.381−03	2.968−03	1.522−13	9.631−03	0.000−00	0.000−00
55	93	4.037+02	0.000−00	0.000−00	0.000−00	1.176−01	8.623−12	5.077−01	2.102−05	1.541−15
55	94	4.002+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.811−06	4.622−16
55	95	3.957+02	0.000−00	0.000−00	0.000−00	2.059−07	1.450−17	8.042−07	5.198−05	3.661−15
55	96	3.921+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.003−06	4.612−16
55	97	3.879+02	1.563+08	3.524−03	9.001−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
55	98	3.763+02	1.497+08	6.355−03	1.575−02	2.183−03	9.271−14	4.421−03	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
55	99	3.733+02	0.000−00	0.000−00	0.000−00	2.240−01	1.404−11	6.533−01	3.870−05	2.426−15
55	100	3.663+02	3.233+08	1.300−02	3.136−02	2.578−01	1.037−11	4.558−01	0.000−00	0.000−00
55	101	3.667+02	0.000−00	0.000−00	0.000−00	3.771−02	2.281−12	1.006−01	2.214−07	1.339−17
55	102	3.527+02	0.000−00	0.000−00	0.000−00	3.673−01	2.056−11	8.070−01	1.532−08	8.571−19
55	103	3.515+02	1.318+09	2.442−02	5.653−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
55	104	3.450+02	1.725+09	6.159−02	1.399−01	1.134−00	4.048−11	1.487−00	0.000−00	0.000−00
55	105	3.421+02	5.442+08	9.549−03	2.151−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
55	106	3.424+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.540−03	1.083−13
55	107	3.359+02	0.000−00	0.000−00	0.000−00	3.399−01	1.725−11	5.852−01	5.766−04	2.926−14
55	108	3.255+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.757−05	4.293−15
55	110	3.193+02	9.979+08	3.050−02	6.412−02	5.477−03	1.674−13	4.876−03	0.000−00	0.000−00
55	112	3.078+02	2.699+09	7.668−02	1.554−01	6.539−02	1.858−12	4.850−02	0.000−00	0.000−00
55	113	2.998+02	0.000−00	0.000−00	0.000−00	3.911−01	1.581−11	3.812−01	4.697−06	1.899−16
55	114	2.935+02	0.000−00	0.000−00	0.000−00	3.288−01	1.274−11	2.884−01	2.006−03	7.774−14
55	115	2.912+02	4.882+09	6.208−02	1.190−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
55	116	2.903+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.211−05	4.150−15
55	117	2.890+02	2.057+07	5.150−04	9.797−04	6.875−02	1.721−12	3.715−02	0.000−00	0.000−00
55	118	2.858+02	0.000−00	0.000−00	0.000−00	1.497−03	5.500−14	1.149−03	1.455−05	5.346−16
55	119	2.832+02	5.536+06	1.332−04	2.484−04	2.286−01	5.499−12	1.118−01	0.000−00	0.000−00
55	120	2.831+02	1.518+08	1.824−03	3.400−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
55	121	2.816+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.681−03	7.994−14
55	122	2.795+02	0.000−00	0.000−00	0.000−00	2.163−00	7.598−11	1.484−00	9.055−05	3.181−15
55	123	2.770+02	1.560+07	3.589−04	6.546−04	1.487−01	3.423−12	6.512−02	0.000−00	0.000−00
55	124	2.592+02	3.237+08	6.520−03	1.113−02	1.642−01	3.308−12	5.153−02	0.000−00	0.000−00
55	125	2.587+02	0.000−00	0.000−00	0.000−00	5.469−01	1.646−11	2.550−01	6.052−05	1.822−15
55	126	2.561+02	4.295+09	4.225−02	7.125−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
55	127	2.434+02	6.878+08	1.222−02	1.959−02	1.866−01	3.315−12	4.278−02	0.000−00	0.000−00
55	128	2.313+02	1.381+08	1.108−03	1.687−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
55	129	2.299+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.383−03	1.390−13
55	130	2.237+02	0.000−00	0.000−00	0.000−00	7.267−02	1.636−12	1.639−02	3.282−02	7.389−13
55	131	2.222+02	1.965+09	2.908−02	4.253−02	6.064−02	8.973−13	8.803−03	0.000−00	0.000−00
55	132	2.131+02	2.106+04	1.434−07	2.013−07	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
55	133	2.048+02	1.249+09	1.570−02	2.118−02	3.629−02	4.563−13	3.507−03	0.000−00	0.000−00
55	134	2.019+02	0.000−00	0.000−00	0.000−00	8.715−00	1.598−10	1.178−00	2.099−02	3.850−13
56	68	9.087+02	4.319+03	2.673−07	3.199−06	7.257−05	4.491−15	6.030−03	0.000−00	0.000−00
56	69	8.477+02	2.168+06	2.335−04	2.607−03	4.694−05	5.056−15	5.511−03	3.260−08	3.511−18
56	71	7.663+02	5.888+06	7.776−04	7.847−03	1.504−04	1.986−14	1.600−02	7.564−09	9.989−19
56	72	6.961+02	0.000−00	0.000−00	0.000−00	4.229−03	6.144−13	3.709−01	3.060−07	4.446−17
56	73	6.853+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.748−07	1.012−16
56	74	6.792+02	0.000−00	0.000−00	0.000−00	3.678−03	5.086−13	2.851−01	2.443−07	3.379−17
56	77	6.488+02	6.782+06	6.420−04	5.485−03	3.257−04	3.083−14	1.507−02	2.232−06	2.113−16
56	78	6.313+02	3.904+07	2.332−03	1.939−02	3.637−03	2.173−13	9.781−02	6.004−06	3.587−16
56	79	6.055+02	0.000−00	0.000−00	0.000−00	1.123−02	1.235−12	4.904−01	2.387−06	2.624−16
56	80	6.024+02	2.014+06	1.644−04	1.304−03	2.022−03	1.650−13	6.453−02	1.179−06	9.622−17
56	81	5.847+02	3.516+07	9.010−04	6.937−03	2.383−04	6.108−15	2.184−03	0.000−00	0.000−00
56	82	5.599+02	0.000−00	0.000−00	0.000−00	2.684−03	2.523−13	7.924−02	4.202−07	3.950−17
56	83	5.385+02	6.181+06	1.344−04	9.530−04	2.197−04	4.777−15	1.335−03	0.000−00	0.000−00
56	84	5.272+02	5.334+05	2.223−05	1.543−04	1.790−02	7.460−13	1.956−01	1.838−07	7.660−18
56	85	5.282+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.648−06	7.999−16
56	86	5.140+02	7.830+06	3.101−04	2.099−03	8.440−03	3.343−13	8.123−02	4.855−07	1.923−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
56	87	5.104+02	0.000−00	0.000−00	0.000−00	6.969−03	5.443−13	1.295−01	5.977−09	4.668−19
56	88	5.034+02	3.620+06	2.063−04	1.368−03	9.324−03	5.313−13	1.213−01	2.127−08	1.212−18
56	89	5.018+02	2.952+05	1.672−05	1.105−04	4.889−03	2.769−13	6.261−02	1.102−06	6.242−17
56	90	4.869+02	9.858+06	3.503−04	2.246−03	3.065−03	1.089−13	2.249−02	3.604−06	1.281−16
56	91	4.765+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.328−10	3.682−20
56	92	4.743+02	6.908+04	2.330−06	1.455−05	1.249−01	4.214−12	8.046−01	3.597−07	1.213−17
56	93	4.615+02	1.477+07	7.071−04	4.297−03	2.113−02	1.012−12	1.779−01	2.680−06	1.283−16
56	94	4.569+02	0.000−00	0.000−00	0.000−00	1.102−03	6.896−14	1.177−02	7.004−06	4.384−16
56	95	4.510+02	4.316+06	1.974−04	1.172−03	2.235−04	1.023−14	1.679−03	1.440−05	6.586−16
56	96	4.463+02	0.000−00	0.000−00	0.000−00	1.552−01	9.269−12	1.475−00	9.403−06	5.616−16
56	97	4.409+02	3.660+07	5.332−04	3.096−03	1.561−02	2.274−13	3.487−02	0.000−00	0.000−00
56	98	4.260+02	1.031+07	2.804−04	1.573−03	1.456−09	3.961−20	5.480−09	1.009−05	2.745−16
56	99	4.221+02	1.500+07	6.008−04	3.340−03	1.993−02	7.984−13	1.075−01	5.778−07	2.315−17
56	100	4.131+02	4.340+07	1.110−03	6.042−03	5.494−02	1.406−12	1.774−01	1.853−05	4.741−16
56	101	4.137+02	5.085+08	1.957−02	1.066−01	9.318−03	3.587−13	4.545−02	9.737−11	3.748−21
56	102	3.960+02	9.151+08	3.227−02	1.683−01	1.180−01	4.160−12	4.622−01	1.281−04	4.516−15
56	103	3.945+02	4.976+08	5.804−03	3.015−02	4.615−02	5.383−13	5.914−02	0.000−00	0.000−00
56	104	3.863+02	2.998+08	6.708−03	3.413−02	8.069−01	1.805−11	1.862−00	1.549−04	3.465−15
56	105	3.827+02	1.053+08	1.156−03	5.825−03	8.159−01	8.958−12	8.984−01	0.000−00	0.000−00
56	106	3.830+02	0.000−00	0.000−00	0.000−00	2.780−01	1.223−11	1.230−00	7.861−06	3.459−16
56	107	3.750+02	7.762+08	2.454−02	1.212−01	3.306−02	1.045−12	9.863−02	3.597−07	1.137−17
56	108	3.620+02	0.000−00	0.000−00	0.000−00	4.778−01	1.877−11	1.594−00	4.042−05	1.588−15
56	109	3.590+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.356−04	3.070−14
56	110	3.544+02	1.487+09	2.800−02	1.306−01	2.304−02	4.336−13	3.452−02	1.752−05	3.297−16
56	111	3.439+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.668−04	2.512−14
56	112	3.403+02	1.429+09	2.481−02	1.112−01	6.127−03	1.064−13	7.500−03	1.795−05	3.116−16
56	113	3.305+02	1.414+09	3.474−02	1.512−01	4.599−01	1.130−11	7.298−01	2.180−04	5.356−15
56	114	3.229+02	2.619+07	6.141−04	2.611−03	2.779−02	6.516−13	3.927−02	2.213−04	5.189−15
56	115	3.201+02	3.245+09	2.492−02	1.051−01	1.388−00	1.066−11	6.258−01	0.000−00	0.000−00
56	116	3.190+02	0.000−00	0.000−00	0.000−00	2.932−02	8.946−13	5.197−02	2.643−03	8.065−14
56	117	3.174+02	4.124+08	6.228−03	2.603−02	1.948−02	2.941−13	1.682−02	2.286−05	3.452−16
56	118	3.136+02	3.624+09	8.015−02	3.310−01	1.443−02	3.191−13	1.761−02	2.442−03	5.401−14
56	119	3.105+02	1.304+09	1.884−02	7.705−02	9.187−01	1.328−11	7.114−01	2.956−04	4.272−15
56	120	3.103+02	9.727+08	7.021−03	2.869−02	4.655−02	3.360−13	1.796−02	0.000−00	0.000−00
56	121	3.085+02	0.000−00	0.000−00	0.000−00	2.528−04	7.215−15	3.791−04	6.807−04	1.943−14
56	122	3.060+02	1.018+09	2.142−02	8.630−02	1.280−02	2.695−13	1.381−02	7.686−06	1.618−16
56	123	3.030+02	2.515+09	3.463−02	1.382−01	4.112−01	5.661−12	2.819−01	1.390−03	1.913−14
56	124	2.818+02	1.276+09	1.519−02	5.637−02	7.043−01	8.386−12	3.359−01	5.477−05	6.522−16
56	125	2.812+02	1.223+07	2.175−04	8.055−04	4.984−01	8.865−12	3.529−01	1.137−03	2.023−14
56	126	2.782+02	8.800+08	5.106−03	1.871−02	3.649−01	2.117−12	8.160−02	0.000−00	0.000−00
56	127	2.633+02	1.215+09	1.262−02	4.377−02	2.524−01	2.623−12	8.566−02	1.440−04	1.496−15
56	128	2.491+02	3.837+09	1.785−02	5.858−02	1.383−01	6.434−13	1.780−02	0.000−00	0.000−00
56	129	2.476+02	0.000−00	0.000−00	0.000−00	1.629−00	2.994−11	8.133−01	1.288−04	2.368−15
56	130	2.404+02	1.196+08	1.555−03	4.921−03	1.274−01	1.656−12	4.116−02	7.137−04	9.275−15
56	131	2.386+02	1.036+09	8.837−03	2.777−02	4.412−01	3.765−12	9.149−02	1.746−03	1.490−14
56	132	2.282+02	1.732+07	6.763−05	2.032−04	2.456−05	9.587−17	2.039−06	0.000−00	0.000−00
56	133	2.187+02	4.319+06	3.096−05	8.917−05	1.015−01	7.278−13	1.362−02	4.743−02	3.400−13
56	134	2.154+02	1.364+09	1.423−02	4.036−02	1.800+01	1.878−10	3.359−00	2.204−02	2.300−13
57	68	1.000+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.133−08	4.249−19
57	69	9.267+02	0.000−00	0.000−00	0.000−00	1.884−04	1.213−14	3.454−02	3.144−08	2.024−18

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
57	71	8.304+02	5.661+04	4.389−06	9.598−05	4.212−04	3.266−14	6.692−02	1.129−08	8.754−19
57	72	7.486+02	5.510+06	4.629−04	9.126−03	1.196−03	1.005−13	1.508−01	2.916−07	2.449−17
57	73	7.360+02	6.589+06	6.690−04	1.297−02	1.045−05	1.061−15	1.514−03	7.239−11	7.350−21
57	74	7.290+02	1.322+07	1.053−03	2.022−02	1.464−04	1.167−14	1.617−02	6.994−07	5.572−17
57	75	7.146+02	0.000−00	0.000−00	0.000−00	2.181−03	2.504−13	3.271−01	3.759−08	4.317−18
57	77	6.941+02	5.506+07	2.983−03	5.454−02	2.104−03	1.140−13	1.364−01	1.094−05	5.925−16
57	78	6.741+02	0.000−00	0.000−00	0.000−00	2.466−03	8.399−14	9.209−02	2.005−05	6.831−16
57	79	6.448+02	2.067+08	1.289−02	2.188−01	1.462−02	9.112−13	8.743−01	1.847−05	1.151−15
57	80	6.412+02	3.180+07	1.470−03	2.483−02	1.659−03	7.673−14	7.240−02	1.085−05	5.017−16
57	81	6.212+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.364−05	3.419−16
57	82	5.933+02	4.888+06	2.580−04	4.031−03	2.666−04	1.407−14	1.052−02	1.215−06	6.414−17
57	83	5.694+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.675−07	3.250−18
57	84	5.568+02	0.000−00	0.000−00	0.000−00	5.822−06	1.353−16	8.356−05	4.936−08	1.147−18
57	85	5.579+02	3.788+05	2.210−05	3.247−04	2.601−04	1.517−14	9.431−03	1.849−07	1.079−17
57	86	5.420+02	0.000−00	0.000−00	0.000−00	6.545−06	1.441−16	8.216−05	7.856−07	1.730−17
57	87	5.380+02	2.402+07	1.042−03	1.477−02	3.515−03	1.525−13	8.502−02	7.690−06	3.337−16
57	88	5.303+02	1.234+06	3.903−05	5.451−04	8.364−03	2.644−13	1.411−01	8.970−09	2.836−19
57	89	5.285+02	4.600+07	1.445−03	2.011−02	1.386−02	4.354−13	2.300−01	1.300−06	4.083−17
57	90	5.120+02	0.000−00	0.000−00	0.000−00	6.087−02	1.196−12	5.742−01	1.194−05	2.347−16
57	91	5.005+02	1.250+07	5.868−04	7.734−03	3.151−01	1.479−11	6.636−00	1.069−06	5.020−17
57	92	4.981+02	0.000−00	0.000−00	0.000−00	2.015−02	3.747−13	1.657−01	3.265−05	6.072−16
57	93	4.839+02	3.128+06	8.236−05	1.050−03	3.763−04	9.908−15	4.019−03	7.821−07	2.060−17
57	94	4.789+02	8.174+05	2.811−05	3.546−04	4.486−01	1.543−11	6.065−00	1.187−09	4.084−20
57	95	4.725+02	2.805+06	7.040−05	8.761−04	2.911−01	7.306−12	2.758−00	3.612−06	9.066−17
57	96	4.673+02	6.187+06	2.026−04	2.493−03	1.764−02	5.775−13	2.109−01	1.274−06	4.172−17
57	97	4.613+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.860−06	4.675−17
57	98	4.451+02	0.000−00	0.000−00	0.000−00	5.213−02	7.742−13	2.443−01	5.120−06	7.603−17
57	99	4.409+02	1.890+07	4.130−04	4.794−03	2.744−03	5.995−14	1.838−02	2.128−08	4.649−19
57	100	4.311+02	0.000−00	0.000−00	0.000−00	1.334−01	1.858−12	5.327−01	2.753−05	3.835−16
57	101	4.317+02	2.569+07	5.383−04	6.120−03	2.061−02	4.319−13	1.244−01	2.254−05	4.723−16
57	102	4.124+02	9.874+07	1.889−03	2.052−02	2.714−01	5.190−12	1.303−00	1.631−04	3.120−15
57	103	4.108+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.595−05	3.539−16
57	104	4.020+02	0.000−00	0.000−00	0.000−00	5.430−02	6.576−13	1.528−01	1.905−06	2.307−17
57	105	3.980+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.579−04	3.906−15
57	106	3.984+02	7.607+06	1.810−04	1.899−03	2.933−04	6.980−15	1.580−03	2.435−07	5.795−18
57	107	3.897+02	2.138+07	3.650−04	3.746−03	2.673−02	4.563−13	9.664−02	2.309−05	3.942−16
57	108	3.757+02	1.678+07	3.550−04	3.512−03	1.586−02	3.357−13	6.370−02	1.484−07	3.140−18
57	109	3.724+02	7.713+07	2.005−03	1.966−02	2.415−03	6.278−14	1.161−02	9.956−06	2.588−16
57	110	3.675+02	0.000−00	0.000−00	0.000−00	5.098−03	5.160−14	9.162−03	1.531−04	1.550−15
57	111	3.562+02	1.525+10	3.625−01	3.401−00	2.632−01	6.258−12	1.012−00	9.836−04	2.339−14
57	112	3.524+02	0.000−00	0.000−00	0.000−00	5.295−02	4.928−13	7.716−02	1.460−04	1.359−15
57	113	3.419+02	3.354+09	4.408−02	3.969−01	3.616−02	4.753−13	6.797−02	1.358−03	1.785−14
57	114	3.338+02	1.582+09	1.982−02	1.742−01	9.461−02	1.185−12	1.577−01	9.923−04	1.243−14
57	115	3.308+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.527−03	3.087−14
57	116	3.296+02	2.368+09	3.856−02	3.348−01	1.331−01	2.167−12	2.777−01	1.586−03	2.582−14
57	117	3.278+02	0.000−00	0.000−00	0.000−00	2.627−03	2.116−14	2.669−03	1.362−05	1.098−16
57	118	3.238+02	2.293+09	2.703−02	2.306−01	2.935−02	3.461−13	4.206−02	6.917−04	8.157−15
57	119	3.205+02	0.000−00	0.000−00	0.000−00	5.565−03	4.286−14	5.050−03	1.932−04	1.488−15
57	120	3.203+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.897−04	7.293−16
57	121	3.184+02	3.916+08	5.952−03	4.991−02	2.428−01	3.690−12	4.263−01	1.062−04	1.615−15

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
57	122	3.157+02	1.802+09	2.019−02	1.679−01	2.719−01	3.047−12	3.431−01	2.287−04	2.562−15
57	123	3.126+02	0.000−00	0.000−00	0.000−00	3.950−01	2.893−12	3.163−01	9.393−03	6.880−14
57	124	2.900+02	0.000−00	0.000−00	0.000−00	1.708−03	1.077−14	9.403−04	1.210−03	7.632−15
57	125	2.894+02	7.896+07	7.438−04	5.670−03	4.092−03	3.855−14	3.345−03	5.449−04	5.132−15
57	126	2.862+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.448−03	4.446−15
57	127	2.705+02	0.000−00	0.000−00	0.000−00	3.928−03	2.154−14	1.525−03	4.231−03	2.320−14
57	128	2.556+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.259−02	5.529−14
57	129	2.539+02	2.190+08	2.116−03	1.415−02	1.851−01	1.789−12	1.048−01	3.017−04	2.916−15
57	130	2.464+02	2.443+09	1.667−02	1.082−01	7.684−02	5.243−13	2.806−02	5.026−04	3.430−15
57	131	2.445+02	0.000−00	0.000−00	0.000−00	1.522−00	6.817−12	3.564−01	3.401−03	1.524−14
57	132	2.336+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.383−05	1.305−16
57	133	2.236+02	0.000−00	0.000−00	0.000−00	1.986−00	7.441−12	2.977−01	1.348−05	5.051−17
57	134	2.202+02	9.185+08	5.007−03	2.904−02	7.706−01	4.201−12	1.605−01	1.498−04	8.167−16
58	68	1.006+03	3.389+06	2.574−04	3.412−03	3.254−05	2.472−15	4.510−03	0.000−00	0.000−00
58	69	9.322+02	1.886+06	2.457−04	3.016−03	1.425−04	1.857−14	2.692−02	8.964−11	1.168−20
58	71	8.348+02	1.054+05	1.653−05	1.817−04	1.559−04	2.444−14	2.544−02	1.369−09	2.146−19
58	72	7.521+02	0.000−00	0.000−00	0.000−00	9.389−10	1.593−19	1.213−07	2.169−08	3.678−18
58	73	7.395+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.306−08	1.702−17
58	74	7.324+02	0.000−00	0.000−00	0.000−00	8.651−04	1.391−13	9.780−02	1.222−08	1.966−18
58	77	6.972+02	5.395+04	5.898−06	5.415−05	1.975−03	2.159−13	1.309−01	6.863−08	7.502−18
58	78	6.770+02	6.530+04	4.487−06	4.001−05	3.213−04	2.208−14	1.226−02	2.175−07	1.494−17
58	79	6.475+02	0.000−00	0.000−00	0.000−00	6.405−05	8.051−15	3.910−03	5.357−09	6.734−19
58	80	6.439+02	2.810+05	2.619−05	2.221−04	1.863−03	1.737−13	8.296−02	1.587−08	1.479−18
58	81	6.237+02	8.716+05	2.541−05	2.087−04	3.406−04	9.930−15	4.311−03	0.000−00	0.000−00
58	82	5.956+02	0.000−00	0.000−00	0.000−00	4.220−05	4.488−15	1.697−03	2.523−07	2.683−17
58	83	5.715+02	2.010+06	4.921−05	3.703−04	3.463−04	8.478−15	2.832−03	0.000−00	0.000−00
58	84	5.587+02	1.561+02	7.308−09	5.377−08	2.666−03	1.248−13	3.894−02	4.031−09	1.887−19
58	85	5.599+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.452−06	1.706−16
58	86	5.439+02	1.704+05	7.560−06	5.415−05	1.910−04	8.472−15	2.439−03	1.603−08	7.111−19
58	87	5.399+02	0.000−00	0.000−00	0.000−00	2.739−03	2.393−13	6.738−02	9.977−08	8.718−18
58	88	5.321+02	1.004+03	6.389−08	4.476−07	4.206−04	2.677−14	7.217−03	3.481−10	2.216−20
58	89	5.303+02	6.186+03	3.912−07	2.732−06	4.824−03	3.051−13	8.142−02	1.315−07	8.314−18
58	90	5.136+02	2.158+06	8.534−05	5.772−04	1.649−04	6.524−15	1.582−03	9.171−08	3.627−18
58	91	5.021+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.263−08	1.193−18
58	92	4.997+02	3.882+06	1.453−04	9.561−04	1.762−02	6.597−13	1.473−01	1.183−10	4.430−21
58	93	4.854+02	2.375+03	1.259−07	8.047−07	3.574−03	1.894−13	3.876−02	1.263−07	6.694−18
58	94	4.804+02	0.000−00	0.000−00	0.000−00	1.654−03	1.144−13	2.271−02	1.283−06	8.878−17
58	95	4.739+02	1.300+07	6.563−04	4.095−03	5.945−04	3.003−14	5.718−03	3.272−06	1.653−16
58	96	4.687+02	0.000−00	0.000−00	0.000−00	1.241−02	8.174−13	1.506−01	3.027−06	1.994−16
58	97	4.627+02	1.220+07	1.957−04	1.192−03	3.812−04	6.117−15	1.084−03	0.000−00	0.000−00
58	98	4.464+02	2.776+07	8.292−04	4.874−03	3.377−05	1.009−15	1.605−04	1.444−06	4.312−17
58	99	4.421+02	2.372+07	1.042−03	6.068−03	2.101−02	9.233−13	1.427−01	6.516−08	2.864−18
58	100	4.323+02	1.517+07	4.249−04	2.419−03	1.867−02	5.228−13	7.556−02	2.568−06	7.193−17
58	101	4.329+02	1.621+09	6.829−02	3.893−01	2.027−02	8.543−13	1.240−01	4.000−07	1.685−17
58	102	4.135+02	5.007+08	1.925−02	1.048−01	1.403−02	5.395−13	6.826−02	2.098−05	8.067−16
58	103	4.119+02	1.319+08	1.678−03	9.099−03	1.065−02	1.355−13	1.694−02	0.000−00	0.000−00
58	104	4.030+02	1.812+08	4.410−03	2.340−02	2.245−01	5.465−12	6.399−01	2.329−05	5.671−16
58	105	3.990+02	4.546+06	5.427−05	2.851−04	7.397−02	8.829−13	1.004−01	0.000−00	0.000−00
58	106	3.994+02	0.000−00	0.000−00	0.000−00	6.568−01	3.142−11	3.583−00	1.281−06	6.130−17
58	107	3.906+02	5.709+08	1.959−02	1.008−01	4.141−01	1.421−11	1.516−00	1.898−06	6.514−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
58	108	3.766+02	0.000−00	0.000−00	0.000−00	1.085−02	4.615−13	4.410−02	1.019−05	4.335−16
58	109	3.733+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.104−04	5.767−15
58	110	3.683+02	1.267+08	2.576−03	1.249−02	3.546−05	7.212−16	6.448−05	5.633−06	1.146−16
58	111	3.570+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.123−04	5.364−15
58	112	3.532+02	9.433+08	1.764−02	8.203−02	3.955−02	7.396−13	5.829−02	5.029−11	9.404−22
58	113	3.426+02	8.039+08	2.122−02	9.576−02	5.354−02	1.413−12	1.017−01	5.508−06	1.454−16
58	114	3.345+02	4.186+08	1.053−02	4.639−02	5.581−01	1.404−11	9.403−01	4.777−06	1.202−16
58	115	3.315+02	6.592+06	5.430−05	2.370−04	3.223−01	2.655−12	1.730−01	0.000−00	0.000−00
58	116	3.303+02	0.000−00	0.000−00	0.000−00	8.705−02	2.847−12	1.836−01	2.213−04	7.240−15
58	117	3.285+02	3.286+08	5.316−03	2.300−02	7.243−02	1.172−12	7.436−02	6.631−05	1.073−15
58	118	3.245+02	2.267+07	5.368−04	2.294−03	2.114−01	5.007−12	3.062−01	1.964−04	4.651−15
58	119	3.212+02	4.217+09	6.521−02	2.758−01	5.759−01	8.907−12	5.281−01	1.930−05	2.985−16
58	120	3.210+02	8.664+09	6.690−02	2.828−01	3.141−01	2.425−12	1.435−01	0.000−00	0.000−00
58	121	3.191+02	0.000−00	0.000−00	0.000−00	9.115−01	2.782−11	1.617−00	1.833−04	5.594−15
58	122	3.163+02	1.106+09	2.488−02	1.036−01	9.416−01	2.119−11	1.200−00	9.714−05	2.186−15
58	123	3.132+02	2.528+08	3.718−03	1.534−02	3.361−02	4.944−13	2.718−02	6.304−05	9.272−16
58	124	2.906+02	9.191+08	1.163−02	4.452−02	1.317−03	1.667−14	7.319−04	5.618−05	7.112−16
58	125	2.900+02	1.746+08	3.302−03	1.261−02	3.758−01	7.107−12	3.100−01	1.365−04	2.580−15
58	126	2.868+02	2.366+08	1.459−03	5.508−03	2.117−02	1.305−13	5.507−03	0.000−00	0.000−00
58	127	2.709+02	7.488+08	8.240−03	2.940−02	4.578−03	5.038−14	1.793−03	2.049−04	2.255−15
58	128	2.560+02	8.128+08	3.992−03	1.345−02	7.644−03	3.754−14	1.127−03	0.000−00	0.000−00
58	129	2.543+02	0.000−00	0.000−00	0.000−00	6.381−00	1.238−10	3.643−00	8.876−06	1.721−16
58	130	2.467+02	4.384+08	6.003−03	1.950−02	4.292−02	5.876−13	1.579−02	5.157−04	7.061−15
58	131	2.448+02	5.703+07	5.125−04	1.652−03	1.703−01	1.531−12	4.020−02	1.580−03	1.420−14
58	132	2.339+02	2.467+07	1.012−04	3.117−04	7.591−02	3.114−13	7.132−03	0.000−00	0.000−00
58	133	2.239+02	1.482+09	1.114−02	3.285−02	3.334−02	2.506−13	5.034−03	9.476−03	7.123−14
58	134	2.205+02	9.452+08	1.033−02	3.001−02	3.011−00	3.292−11	6.315−01	3.628−03	3.967−14
59	68	1.020+03	0.000−00	0.000−00	0.000−00	1.123−04	5.844−15	1.667−02	4.863−09	2.530−19
59	69	9.441+02	4.775+05	4.254−05	7.932−04	1.959−04	1.745−14	3.940−02	1.331−09	1.185−19
59	71	8.443+02	3.812+06	4.073−04	6.793−03	1.738−04	1.858−14	3.000−02	3.749−10	4.007−20
59	72	7.598+02	1.591+06	1.837−04	2.756−03	1.640−04	1.893−14	2.229−02	5.654−11	6.525−21
59	73	7.470+02	0.000−00	0.000−00	0.000−00	2.425−05	3.381−15	3.782−03	1.855−13	2.586−23
59	74	7.397+02	4.477+06	4.897−04	7.154−03	1.652−05	1.806−15	1.962−03	1.956−09	2.139−19
59	75	7.249+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.696−12	5.824−22
59	77	7.038+02	4.917+05	3.651−05	5.076−04	9.790−05	7.270−15	6.804−03	8.328−10	6.185−20
59	78	6.832+02	4.329+05	2.020−05	2.726−04	8.584−04	4.005−14	3.429−02	4.951−09	2.310−19
59	79	6.532+02	9.861+05	8.409−05	1.085−03	2.907−04	2.479−14	1.854−02	7.026−09	5.992−19
59	80	6.495+02	6.555+03	4.145−07	5.318−06	2.520−04	1.594−14	1.172−02	3.629−10	2.295−20
59	81	6.290+02	0.000−00	0.000−00	0.000−00	2.970−04	5.872−15	3.922−03	5.416−08	1.071−18
59	82	6.004+02	3.080+06	2.219−04	2.632−03	6.762−04	4.873−14	2.831−02	1.932−09	1.392−19
59	83	5.759+02	0.000−00	0.000−00	0.000−00	8.596−04	1.425−14	7.304−03	8.581−09	1.422−19
59	84	5.630+02	6.559+05	2.078−05	2.310−04	2.144−04	6.791−15	3.252−03	9.600−09	3.041−19
59	85	5.642+02	0.000−00	0.000−00	0.000−00	2.558−04	2.035−14	9.806−03	1.417−12	1.127−22
59	86	5.479+02	2.203+06	6.610−05	7.154−04	5.585−04	1.676−14	7.399−03	1.952−08	5.857−19
59	87	5.438+02	1.373+07	8.118−04	8.720−03	6.937−05	4.101−15	1.770−03	1.500−09	8.866−20
59	88	5.359+02	4.542+06	1.956−04	2.070−03	5.438−04	2.341−14	9.673−03	9.566−10	4.119−20
59	89	5.341+02	6.064+05	2.594−05	2.736−04	1.535−03	6.563−14	2.684−02	1.716−08	7.337−19
59	90	5.172+02	7.073+05	1.891−05	1.932−04	1.927−04	5.151−15	1.913−03	4.979−08	1.331−18
59	91	5.055+02	0.000−00	0.000−00	0.000−00	1.404−03	8.963−14	3.108−02	2.184−10	1.395−20
59	92	5.031+02	2.834+04	7.169−07	7.124−06	2.112−05	5.341−16	1.825−04	3.870−09	9.790−20

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
59	93	4.886+02	2.244+07	8.033−04	7.753−03	1.249−04	4.472−15	1.400−03	3.567−10	1.277−20
59	94	4.835+02	2.957+04	1.382−06	1.320−05	1.464−03	6.843−14	2.077−02	1.154−08	5.394−19
59	95	4.769+02	7.236+05	2.468−05	2.325−04	4.388−03	1.496−13	4.357−02	1.238−09	4.221−20
59	96	4.717+02	6.334+06	2.817−04	2.624−03	1.260−03	5.604−14	1.579−02	1.957−08	8.706−19
59	97	4.656+02	0.000−00	0.000−00	0.000−00	3.795−03	4.111−14	1.114−02	5.166−10	5.596−21
59	98	4.490+02	6.218+04	1.253−06	1.112−05	1.115−02	2.248−13	5.463−02	7.179−09	1.447−19
59	99	4.447+02	2.322+07	6.884−04	6.048−03	3.911−06	1.160−16	2.738−05	1.967−08	5.834−19
59	100	4.348+02	6.421+05	1.213−05	1.042−04	1.048−02	1.980−13	4.369−02	1.544−10	2.916−21
59	101	4.354+02	2.220+08	6.309−03	5.426−02	1.625−04	4.617−15	1.023−03	1.237−08	3.515−19
59	102	4.158+02	4.671+06	1.211−04	9.946−04	6.851−04	1.776−14	3.428−03	1.407−09	3.648−20
59	103	4.142+02	0.000−00	0.000−00	0.000−00	4.617−02	3.958−13	7.547−02	7.083−07	6.072−18
59	104	4.052+02	5.713+06	9.375−05	7.503−04	2.353−02	3.861−13	6.893−02	1.145−10	1.879−21
59	105	4.012+02	0.000−00	0.000−00	0.000−00	1.766−03	1.420−14	2.462−03	1.347−06	1.084−17
59	106	4.016+02	2.510+09	8.092−02	6.419−01	1.336−01	4.305−12	7.484−01	3.375−09	1.088−19
59	107	3.927+02	2.531+08	5.853−03	4.540−02	6.496−01	1.502−11	2.442−00	1.872−09	4.328−20
59	108	3.785+02	2.113+09	6.051−02	4.524−01	3.291−01	9.424−12	1.372−00	1.686−08	4.828−19
59	109	3.752+02	0.000−00	0.000−00	0.000−00	7.774−01	2.735−11	3.877−00	1.223−08	4.301−19
59	110	3.701+02	5.801+08	7.943−03	5.807−02	1.257−01	1.722−12	2.343−01	6.401−07	8.765−18
59	111	3.587+02	0.000−00	0.000−00	0.000−00	7.444−02	2.394−12	2.966−01	1.771−07	5.693−18
59	112	3.548+02	1.186+09	1.492−02	1.046−01	2.387−01	3.004−12	3.602−01	4.246−07	5.344−18
59	113	3.442+02	1.359+08	2.414−03	1.641−02	8.222−02	1.461−12	1.599−01	5.148−10	9.145−21
59	114	3.360+02	2.812+09	4.759−02	3.158−01	1.655−00	2.801−11	2.852−00	9.674−07	1.637−17
59	115	3.330+02	0.000−00	0.000−00	0.000−00	4.995−01	2.767−12	2.742−01	1.336−05	7.404−17
59	116	3.318+02	6.933+06	1.525−04	9.996−04	4.587−02	1.009−12	9.890−02	2.702−08	5.945−19
59	117	3.300+02	3.028+09	3.296−02	2.148−01	9.897−01	1.077−11	1.039−00	3.996−05	4.348−16
59	118	3.259+02	2.792+09	4.446−02	2.862−01	1.956−01	3.116−12	2.896−01	9.799−07	1.561−17
59	119	3.226+02	2.894+09	3.009−02	1.917−01	2.278−00	2.369−11	2.134−00	2.128−05	2.213−16
59	120	3.224+02	0.000−00	0.000−00	0.000−00	3.155−00	1.639−11	1.473−00	1.103−04	5.728−16
59	121	3.204+02	2.170+08	4.453−03	2.819−02	4.079−01	8.372−12	7.393−01	1.231−08	2.526−19
59	122	3.177+02	9.357+08	1.416−02	8.883−02	8.290−02	1.254−12	1.079−01	2.731−07	4.131−18
59	123	3.145+02	1.292+08	1.278−03	7.939−03	7.095−02	7.016−13	5.860−02	2.402−06	2.375−17
59	124	2.917+02	5.580+06	4.746−05	2.735−04	1.681−01	1.430−12	9.526−02	5.512−07	4.688−18
59	125	2.911+02	2.310+08	2.935−03	1.688−02	7.566−01	9.613−12	6.365−01	3.366−06	4.276−17
59	126	2.879+02	0.000−00	0.000−00	0.000−00	1.919−00	7.949−12	5.090−01	4.073−05	1.687−16
59	127	2.719+02	2.333+08	1.724−03	9.261−03	1.500−00	1.109−11	5.982−01	7.875−07	5.819−18
59	128	2.569+02	0.000−00	0.000−00	0.000−00	6.607−01	2.178−12	9.908−02	1.446−04	4.767−16
59	129	2.552+02	6.473+06	8.427−05	4.248−04	5.936−00	7.728−11	3.448−00	5.948−07	7.743−18
59	130	2.476+02	1.985+08	1.824−03	8.917−03	4.726−01	4.342−12	1.768−01	3.004−06	2.760−17
59	131	2.456+02	8.921+08	5.380−03	2.610−02	2.420−00	1.460−11	5.808−01	1.791−08	1.080−19
59	132	2.347+02	0.000−00	0.000−00	0.000−00	3.345−00	9.203−12	3.192−01	1.335−05	3.673−17
59	133	2.246+02	1.635+09	8.243−03	3.657−02	3.211−01	1.619−12	4.923−02	2.548−05	1.285−16
59	134	2.211+02	1.355+08	9.938−04	4.341−03	3.943−02	2.891−13	8.393−03	2.627−06	1.926−17
60	68	1.083+03	0.000−00	0.000−00	0.000−00	1.190−05	6.978−16	2.380−03	2.417−09	1.417−19
60	69	9.975+02	4.154+05	4.131−05	8.140−04	1.635−05	1.626−15	4.332−03	1.514−11	1.506−21
60	71	8.868+02	6.488+05	7.649−05	1.340−03	2.865−05	3.378−15	6.322−03	2.669−09	3.147−19
60	72	7.941+02	3.277+04	4.130−06	6.478−05	1.793−05	2.260−15	3.037−03	6.978−08	8.795−18
60	73	7.800+02	0.000−00	0.000−00	0.000−00	2.684−05	4.080−15	5.197−03	5.584−10	8.489−20
60	74	7.721+02	1.681+06	2.003−04	3.055−03	1.540−04	1.835−14	2.266−02	1.236−07	1.473−17
60	75	7.560+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.269−09	2.175−19
60	77	7.331+02	1.718+07	1.385−03	2.005−02	1.038−03	8.366−14	8.847−02	6.784−08	5.466−18

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
60	78	7.108+02	1.376+07	6.951−04	9.760−03	6.428−03	3.246−13	3.129−01	9.194−07	4.643−17
60	79	6.783+02	9.989+06	9.186−04	1.231−02	7.909−04	7.274−14	6.093−02	3.904−06	3.590−16
60	80	6.744+02	9.343+06	6.370−04	8.485−03	3.760−04	2.564−14	2.110−02	5.555−08	3.787−18
60	81	6.523+02	0.000−00	0.000−00	0.000−00	3.645−03	7.749−14	5.772−02	9.247−06	1.966−16
60	82	6.216+02	9.387+06	7.249−04	8.901−03	6.462−05	4.990−15	3.217−03	2.221−07	1.715−17
60	83	5.954+02	0.000−00	0.000−00	0.000−00	1.551−03	2.748−14	1.556−02	2.092−06	3.707−17
60	84	5.815+02	3.463+05	1.171−05	1.345−04	8.602−04	2.908−14	1.535−02	2.884−08	9.750−19
60	85	5.828+02	0.000−00	0.000−00	0.000−00	2.330−04	1.978−14	1.051−02	9.640−11	8.182−21
60	86	5.655+02	3.617+06	1.156−04	1.291−03	3.511−05	1.122−15	5.448−04	6.431−07	2.055−17
60	87	5.611+02	1.540+06	9.689−05	1.074−03	1.109−03	6.977−14	3.309−02	1.027−06	6.465−17
60	88	5.527+02	2.204+05	1.009−05	1.102−04	6.102−06	2.795−16	1.267−04	7.420−08	3.399−18
60	89	5.508+02	6.040+06	2.747−04	2.989−03	2.430−03	1.105−13	4.957−02	2.016−08	9.170−19
60	90	5.328+02	1.034+07	2.934−04	3.088−03	2.984−03	8.468−14	3.439−02	1.808−07	5.130−18
60	91	5.204+02	0.000−00	0.000−00	0.000−00	8.962−03	6.065−13	2.295−01	1.297−07	8.780−18
60	92	5.178+02	6.818+05	1.827−05	1.869−04	5.176−04	1.387−14	5.171−03	7.815−08	2.095−18
60	93	5.025+02	2.461+07	9.319−04	9.251−03	1.175−03	4.449−14	1.516−02	1.845−07	6.986−18
60	94	4.972+02	1.592+07	7.864−04	7.723−03	1.254−02	6.197−13	2.044−01	1.090−09	5.383−20
60	95	4.902+02	2.137+07	7.697−04	7.453−03	1.378−03	4.966−14	1.570−02	1.334−06	4.807−17
60	96	4.846+02	4.518+05	2.121−05	2.031−04	3.667−02	1.722−12	5.261−01	5.878−07	2.760−17
60	97	4.782+02	0.000−00	0.000−00	0.000−00	3.798−02	4.341−13	1.274−01	3.196−06	3.653−17
60	98	4.608+02	9.030+06	1.916−04	1.744−03	5.465−02	1.160−12	3.046−01	3.098−07	6.574−18
60	99	4.562+02	1.023+08	3.192−03	2.877−02	6.869−02	2.144−12	5.465−01	4.803−06	1.499−16
60	100	4.458+02	4.757+07	9.447−04	8.319−03	1.324−01	2.630−12	6.253−01	1.040−06	2.065−17
60	101	4.465+02	1.557+08	4.653−03	4.104−02	7.177−04	2.145−14	5.123−03	1.925−07	5.753−18
60	102	4.259+02	2.662+08	7.238−03	6.089−02	5.294−02	1.439−12	2.985−01	1.768−06	4.808−17
60	103	4.241+02	0.000−00	0.000−00	0.000−00	7.483−02	6.727−13	1.378−01	4.394−06	3.951−17
60	104	4.147+02	1.440+08	2.474−03	2.027−02	1.805−01	3.103−12	5.941−01	3.164−05	5.438−16
60	105	4.105+02	0.000−00	0.000−00	0.000−00	1.621−04	1.366−15	2.536−04	5.889−05	4.960−16
60	106	4.110+02	9.233+08	3.117−02	2.530−01	4.261−02	1.439−12	2.680−01	5.115−07	1.727−17
60	107	4.017+02	1.170+07	2.831−04	2.246−03	1.629−01	3.941−12	6.855−01	6.777−06	1.639−16
60	108	3.868+02	2.161+09	6.463−02	4.938−01	6.970−01	2.084−11	3.238−00	9.449−07	2.826−17
60	109	3.834+02	0.000−00	0.000−00	0.000−00	3.675−01	1.350−11	2.041−00	4.281−06	1.572−16
60	110	3.781+02	4.124+08	5.892−03	4.400−02	2.070−01	2.958−12	4.291−01	5.547−06	7.925−17
60	111	3.662+02	0.000−00	0.000−00	0.000−00	1.480−03	4.959−14	6.536−03	1.425−04	4.776−15
60	112	3.621+02	1.195+09	1.567−02	1.121−01	7.574−03	9.927−14	1.265−02	3.440−06	4.508−17
60	113	3.511+02	4.219+08	7.796−03	5.407−02	1.727−01	3.191−12	3.706−01	1.104−04	2.039−15
60	114	3.425+02	4.031+08	7.091−03	4.798−02	1.944−02	3.419−13	3.689−02	1.014−04	1.784−15
60	115	3.394+02	0.000−00	0.000−00	0.000−00	2.468−01	1.420−12	1.490−01	2.548−04	1.467−15
60	116	3.381+02	3.756+09	8.584−02	5.733−01	3.404−02	7.779−13	8.072−02	1.052−05	2.403−16
60	117	3.363+02	3.088+09	3.490−02	2.318−01	2.339−00	2.644−11	2.699−00	1.112−05	1.257−16
60	118	3.321+02	3.402+08	5.624−03	3.689−02	3.246−01	5.366−12	5.274−01	5.681−04	9.392−15
60	119	3.286+02	1.300+09	1.403−02	9.108−02	7.906−01	8.531−12	8.124−01	1.533−04	1.654−15
60	120	3.284+02	0.000−00	0.000−00	0.000−00	1.918−00	1.033−11	9.820−01	9.006−07	4.853−18
60	121	3.264+02	3.909+08	8.323−03	5.366−02	1.466−05	3.120−16	2.912−05	4.343−08	9.248−19
60	122	3.235+02	5.087+09	7.982−02	5.100−01	1.008−00	1.582−11	1.437−00	5.888−04	9.238−15
60	123	3.202+02	7.430+08	7.617−03	4.818−02	1.355−01	1.389−12	1.225−01	1.280−03	1.312−14
60	124	2.966+02	2.893+08	2.544−03	1.491−02	6.582−02	5.789−13	4.055−02	1.205−03	1.059−14
60	125	2.960+02	2.366+07	3.108−04	1.817−03	2.196−00	2.884−11	2.007−00	3.994−04	5.247−15
60	126	2.926+02	0.000−00	0.000−00	0.000−00	3.094−00	1.324−11	8.909−01	6.906−04	2.956−15
60	127	2.762+02	6.708+08	5.114−03	2.790−02	2.717−01	2.071−12	1.171−01	2.080−04	1.585−15

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
60	128	2.606+02	0.000−00	0.000−00	0.000−00	7.528−02	2.556−13	1.215−02	4.600−04	1.562−15
60	129	2.590+02	1.529+08	2.049−03	1.048−02	2.400−00	3.217−11	1.500−00	2.604−05	3.490−16
60	130	2.511+02	5.032+08	4.757−03	2.359−02	2.743−00	2.592−11	1.102−00	1.561−04	1.475−15
60	131	2.491+02	2.667+08	1.654−03	8.140−03	2.420−01	1.501−12	6.230−02	1.485−05	9.212−17
60	132	2.378+02	0.000−00	0.000−00	0.000−00	4.475−00	1.265−11	4.567−01	1.023−05	2.893−17
60	133	2.275+02	6.925+08	3.582−03	1.610−02	1.881−01	9.727−13	3.074−02	8.627−08	4.462−19
60	134	2.240+02	1.317+09	9.903−03	4.381−02	1.375−05	1.034−16	3.118−06	5.795−05	4.358−16
61	68	1.147+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.979−11	4.917−21
61	69	1.051+03	0.000−00	0.000−00	0.000−00	6.478−05	5.365−15	2.230−02	4.864−10	4.028−20
61	71	9.289+02	4.600+05	4.463−05	1.092−03	3.625−04	3.517−14	1.009−01	9.774−10	9.483−20
61	72	8.277+02	1.225+06	1.258−04	2.743−03	2.345−04	2.409−14	4.888−02	4.532−10	4.655−20
61	73	8.124+02	7.535+04	9.320−06	1.994−04	1.052−04	1.301−14	2.497−02	2.889−13	3.574−23
61	74	8.038+02	4.764+06	4.614−04	9.769−03	4.118−04	3.990−14	7.416−02	3.228−09	3.127−19
61	75	7.864+02	0.000−00	0.000−00	0.000−00	8.102−04	1.127−13	1.962−01	1.039−10	1.446−20
61	77	7.617+02	2.215+05	1.445−05	2.898−04	7.554−04	4.927−14	7.793−02	4.464−08	2.912−18
61	78	7.377+02	0.000−00	0.000−00	0.000−00	1.158−04	4.724−15	6.786−03	8.673−08	3.537−18
61	79	7.027+02	2.254+06	1.669−04	3.088−03	6.843−04	5.066−14	6.290−02	5.771−08	4.272−18
61	80	6.985+02	7.220+04	3.960−06	7.285−05	5.447−05	2.988−15	3.643−03	4.019−08	2.205−18
61	81	6.748+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.202−07	2.051−18
61	82	6.420+02	1.207+06	7.461−05	1.261−03	3.319−04	2.051−14	1.942−02	5.483−09	3.388−19
61	83	6.141+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.460−10	3.476−21
61	84	5.994+02	0.000−00	0.000−00	0.000−00	6.582−05	1.773−15	1.366−03	4.744−09	1.278−19
61	85	6.007+02	1.034+07	6.989−04	1.106−02	6.433−05	4.350−15	3.375−03	5.982−10	4.046−20
61	86	5.824+02	0.000−00	0.000−00	0.000−00	1.929−04	4.903−15	3.466−03	3.161−08	8.035−19
61	87	5.777+02	4.555+05	2.279−05	3.467−04	1.639−03	8.201−14	5.659−02	1.626−08	8.137−19
61	88	5.688+02	1.371+06	4.987−05	7.470−04	1.455−03	5.292−14	3.486−02	2.015−10	7.331−21
61	89	5.668+02	2.603+05	9.404−06	1.404−04	2.471−04	8.925−15	5.816−03	4.443−08	1.605−18
61	90	5.478+02	0.000−00	0.000−00	0.000−00	1.374−03	3.091−14	1.818−02	3.591−08	8.076−19
61	91	5.347+02	2.546+06	1.364−04	1.921−03	4.195−03	2.247−13	1.229−01	3.700−09	1.982−19
61	92	5.319+02	0.000−00	0.000−00	0.000−00	4.670−05	9.906−16	5.336−04	2.214−07	4.695−18
61	93	5.158+02	5.662+06	1.694−04	2.301−03	2.464−04	7.372−15	3.621−03	7.082−10	2.119−20
61	94	5.101+02	1.308+02	5.105−09	6.859−08	9.180−03	3.582−13	1.702−01	2.317−09	9.039−20
61	95	5.028+02	2.783+05	7.912−06	1.048−04	4.566−03	1.298−13	5.905−02	4.202−10	1.194−20
61	96	4.970+02	4.341+06	1.607−04	2.104−03	2.768−04	1.025−14	4.502−03	4.725−11	1.750−21
61	97	4.902+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.004−07	9.039−19
61	98	4.719+02	0.000−00	0.000−00	0.000−00	3.375−04	5.634−15	2.119−03	3.338−08	5.573−19
61	99	4.672+02	5.715+06	1.402−04	1.725−03	1.220−04	2.994−15	1.092−03	2.588−09	6.349−20
61	100	4.562+02	0.000−00	0.000−00	0.000−00	3.035−02	4.735−13	1.609−01	1.905−08	2.972−19
61	101	4.569+02	1.910+06	4.483−05	5.395−04	1.687−02	3.961−13	1.352−01	9.856−08	2.314−18
61	102	4.354+02	3.241+07	6.908−04	7.921−03	9.138−03	1.948−13	5.752−02	4.257−07	9.072−18
61	103	4.336+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.562−06	1.100−17
61	104	4.237+02	0.000−00	0.000−00	0.000−00	4.291−02	5.774−13	1.572−01	1.479−07	1.990−18
61	105	4.194+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.323−06	2.190−17
61	106	4.198+02	5.874+08	1.552−02	1.716−01	2.036−02	5.379−13	1.424−01	9.459−10	2.499−20
61	107	4.101+02	1.191+08	2.252−03	2.433−02	4.600−01	8.699−12	2.147−00	3.676−07	6.951−18
61	108	3.946+02	2.554+08	5.962−03	6.197−02	7.753−02	1.810−12	3.981−01	3.131−09	7.310−20
61	109	3.910+02	4.866+09	1.394−01	1.436−00	1.033−00	2.960−11	6.333−00	3.930−08	1.126−18
61	110	3.855+02	0.000−00	0.000−00	0.000−00	1.657−02	1.846−13	3.786−02	3.813−06	4.249−17
61	111	3.732+02	1.683+05	4.391−06	4.315−05	6.589−02	1.720−12	3.198−01	3.933−06	1.026−16
61	112	3.690+02	0.000−00	0.000−00	0.000−00	5.434−01	5.546−12	9.970−01	2.658−07	2.712−18

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
61	113	3.575+02	1.674+09	2.406−02	2.266−01	1.521−01	2.185−12	3.573−01	8.980−07	1.291−17
61	114	3.486+02	1.213+09	1.658−02	1.522−01	2.266−01	3.097−12	4.697−01	1.119−05	1.529−16
61	115	3.454+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.241−05	3.685−16
61	116	3.441+02	5.343+08	9.483−03	8.594−02	2.294−01	4.072−12	5.936−01	6.529−06	1.159−16
61	117	3.422+02	0.000−00	0.000−00	0.000−00	1.547−01	1.358−12	1.946−01	2.917−05	2.560−16
61	118	3.378+02	5.532+08	7.098−03	6.315−02	1.447−00	1.857−11	2.562−00	5.363−06	6.881−17
61	119	3.342+02	0.000−00	0.000−00	0.000−00	1.120−00	9.380−12	1.253−00	1.073−05	8.982−17
61	120	3.340+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.453−05	1.026−16
61	121	3.319+02	5.473+09	9.040−02	7.902−01	2.293−00	3.787−11	4.955−00	3.941−07	6.509−18
61	122	3.290+02	1.596+09	1.942−02	1.683−01	2.868−00	3.490−11	4.445−00	7.157−06	8.708−17
61	123	3.256+02	0.000−00	0.000−00	0.000−00	1.065−01	8.464−13	1.045−01	6.381−05	5.071−16
61	124	3.012+02	0.000−00	0.000−00	0.000−00	3.831−02	2.605−13	2.548−02	2.301−05	1.565−16
61	125	3.005+02	9.400+06	9.547−05	7.557−04	3.378−02	3.431−13	3.334−02	1.590−06	1.615−17
61	126	2.971+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.641−05	1.866−16
61	127	2.801+02	0.000−00	0.000−00	0.000−00	1.937−00	1.140−11	8.966−01	5.589−08	3.288−19
61	128	2.642+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.066−04	2.789−16
61	129	2.624+02	1.981+08	2.045−03	1.414−02	4.857−00	5.015−11	3.244−00	1.313−06	1.356−17
61	130	2.544+02	2.314+09	1.683−02	1.128−01	7.185−01	5.227−12	3.078−01	5.711−05	4.154−16
61	131	2.523+02	0.000−00	0.000−00	0.000−00	8.029−00	3.832−11	2.204−00	5.647−05	2.695−16
61	132	2.408+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.052−04	6.630−16
61	133	2.302+02	0.000−00	0.000−00	0.000−00	1.108−00	4.400−12	1.920−01	1.223−05	4.858−17
61	134	2.266+02	5.852+09	3.378−02	2.015−01	7.606−02	4.390−13	1.827−02	2.656−05	1.533−16
62	68	1.292+03	0.000−00	0.000−00	0.000−00	6.448−05	5.379−15	3.114−02	4.403−09	3.673−19
62	69	1.172+03	1.916+05	2.631−05	6.091−04	2.750−05	3.775−15	1.632−02	7.565−10	1.039−19
62	71	1.022+03	4.167+04	6.526−06	1.317−04	2.907−05	4.553−15	1.305−02	4.359−11	6.827−21
62	72	9.009+02	1.768+06	2.869−04	5.106−03	4.837−09	7.848−19	1.540−06	9.469−08	1.536−17
62	73	8.828+02	0.000−00	0.000−00	0.000−00	4.828−06	9.403−16	1.737−03	8.574−10	1.670−19
62	74	8.727+02	2.878+05	4.381−05	7.553−04	5.263−04	8.012−14	1.429−01	1.566−07	2.384−17
62	75	8.522+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.695−09	3.691−19
62	77	8.232+02	2.356+07	2.393−03	3.892−02	5.344−04	5.429−14	8.130−02	1.508−07	1.532−17
62	78	7.952+02	1.811+07	1.144−03	1.798−02	2.735−03	1.729−13	2.333−01	1.120−06	7.079−17
62	79	7.548+02	1.014+07	1.154−03	1.721−02	2.550−03	2.904−13	3.351−01	5.828−06	6.636−16
62	80	7.499+02	1.471+07	1.240−03	1.837−02	8.170−04	6.888−14	7.795−02	1.081−07	9.113−18
62	81	7.227+02	0.000−00	0.000−00	0.000−00	3.928−06	1.025−16	1.038−04	1.409−05	3.678−16
62	82	6.852+02	8.896+06	8.349−04	1.130−02	5.325−04	4.998−14	4.315−02	3.460−07	3.247−17
62	83	6.535+02	0.000−00	0.000−00	0.000−00	8.682−05	1.853−15	1.388−03	3.955−06	8.441−17
62	84	6.369+02	1.607+05	6.515−06	8.196−05	1.996−04	8.089−15	5.608−03	1.436−08	5.819−19
62	85	6.384+02	0.000−00	0.000−00	0.000−00	6.539−03	6.659−13	4.650−01	1.132−10	1.153−20
62	86	6.177+02	1.062+07	4.049−04	4.941−03	8.284−04	3.159−14	1.998−02	1.151−06	4.390−17
62	87	6.124+02	1.085+07	8.132−04	9.837−03	1.666−02	1.249−12	7.702−01	1.885−06	1.414−16
62	88	6.025+02	6.598+05	3.590−05	4.272−04	3.436−03	1.869−13	1.097−01	8.908−08	4.847−18
62	89	6.002+02	1.584+05	8.552−06	1.014−04	1.988−03	1.073−13	6.229−02	1.049−07	5.663−18
62	90	5.789+02	1.314+07	4.402−04	5.034−03	2.808−05	9.405−16	4.898−04	1.237−07	4.142−18
62	91	5.643+02	0.000−00	0.000−00	0.000−00	4.328−02	3.444−12	1.661−00	2.319−07	1.845−17
62	92	5.612+02	1.725+07	5.430−04	6.020−03	1.161−02	3.654−13	1.734−01	3.305−09	1.041−19
62	93	5.433+02	1.132+07	5.008−04	5.375−03	5.287−03	2.340−13	1.007−01	2.854−07	1.263−17
62	94	5.370+02	1.917+06	1.105−04	1.172−03	2.499−02	1.441−12	5.991−01	2.794−12	1.611−22
62	95	5.289+02	2.291+07	9.608−04	1.004−02	5.039−03	2.113−13	8.394−02	1.770−06	7.425−17
62	96	5.225+02	1.463+05	7.984−06	8.240−05	1.349−01	7.364−12	2.819−00	1.353−06	7.384−17
62	97	5.150+02	0.000−00	0.000−00	0.000−00	2.357−01	3.123−12	1.145−00	4.070−06	5.395−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
62	98	4.949+02	1.856+06	4.542−05	4.440−04	1.203−01	2.944−12	9.576−01	1.373−07	3.360−18
62	99	4.896+02	2.718+07	9.766−04	9.445−03	1.860−01	6.685−12	2.106−00	3.239−06	1.164−16
62	100	4.776+02	1.014+08	2.312−03	2.181−02	3.419−02	7.793−13	2.278−01	3.075−07	7.010−18
62	101	4.784+02	4.303+07	1.476−03	1.395−02	2.669−02	9.156−13	2.690−01	5.591−07	1.918−17
62	102	4.548+02	7.148+07	2.217−03	1.991−02	6.940−02	2.152−12	5.434−01	2.665−06	8.263−17
62	103	4.528+02	0.000−00	0.000−00	0.000−00	1.759−04	1.803−15	4.493−04	3.446−06	3.531−17
62	104	4.421+02	1.224+07	2.391−04	2.088−03	5.888−02	1.150−12	2.667−01	1.141−04	2.228−15
62	105	4.374+02	0.000−00	0.000−00	0.000−00	2.234−02	2.136−13	4.795−02	1.467−04	1.402−15
62	106	4.378+02	1.741+08	6.669−03	5.768−02	1.587−03	6.079−14	1.369−02	6.361−07	2.437−17
62	107	4.273+02	1.476+08	4.040−03	3.410−02	1.188−02	3.252−13	6.810−02	5.409−09	1.481−19
62	108	4.105+02	3.671+08	1.237−02	1.003−01	1.713−01	5.771−12	1.072−00	8.834−07	2.976−17
62	109	4.066+02	0.000−00	0.000−00	0.000−00	3.965−02	1.638−12	2.957−01	5.230−06	2.161−16
62	110	4.007+02	2.901+07	4.656−04	3.685−03	1.052−01	1.688−12	2.915−01	3.773−07	6.055−18
62	111	3.874+02	0.000−00	0.000−00	0.000−00	5.539−02	2.077−12	3.240−01	3.079−04	1.154−14
62	112	3.828+02	2.184+06	3.199−05	2.419−04	1.638−01	2.399−12	3.613−01	2.266−05	3.319−16
62	113	3.705+02	2.581+07	5.312−04	3.888−03	2.202−01	4.533−12	6.188−01	1.566−04	3.223−15
62	114	3.610+02	5.816+08	1.136−02	8.102−02	1.633−02	3.191−13	4.029−02	4.397−04	8.589−15
62	115	3.575+02	0.000−00	0.000−00	0.000−00	4.831−02	3.086−13	3.784−02	7.197−04	4.597−15
62	116	3.561+02	9.181+09	2.327−01	1.637−00	3.708−02	9.400−13	1.139−01	3.282−05	8.319−16
62	117	3.541+02	7.981+08	1.000−02	6.993−02	4.067−01	5.096−12	6.071−01	1.357−05	1.700−16
62	118	3.494+02	1.986+09	3.635−02	2.508−01	1.696−03	3.104−14	3.553−03	1.615−03	2.957−14
62	119	3.455+02	4.646+04	5.544−07	3.784−06	7.333−02	8.750−13	9.690−02	1.352−04	1.614−15
62	120	3.453+02	0.000−00	0.000−00	0.000−00	1.059−01	6.307−13	6.969−02	3.799−05	2.263−16
62	121	3.431+02	1.947+09	4.581−02	3.104−01	1.238−01	2.912−12	3.156−01	5.591−06	1.316−16
62	122	3.399+02	8.425+07	1.459−03	9.799−03	2.028−02	3.512−13	3.703−02	7.456−04	1.292−14
62	123	3.363+02	5.812+09	6.571−02	4.365−01	3.295−03	3.726−14	3.805−03	2.601−03	2.941−14
62	124	3.104+02	3.667+08	3.531−03	2.165−02	2.777−01	2.674−12	2.146−01	4.042−03	3.892−14
62	125	3.097+02	3.969+09	5.706−02	3.491−01	9.077−01	1.305−11	1.040−00	1.417−03	2.037−14
62	126	3.060+02	0.000−00	0.000−00	0.000−00	4.467−01	2.091−12	1.608−01	7.293−04	3.413−15
62	127	2.880+02	1.563+08	1.296−03	7.377−03	1.115−01	9.249−13	5.933−02	1.699−04	1.409−15
62	128	2.712+02	0.000−00	0.000−00	0.000−00	1.075−00	3.951−12	2.115−01	2.521−04	9.265−16
62	129	2.694+02	3.857+06	5.595−05	2.977−04	4.135−01	5.997−12	3.146−01	1.420−04	2.060−15
62	130	2.609+02	1.854+08	1.892−03	9.749−03	1.144−01	1.167−12	5.562−02	4.169−04	4.253−15
62	131	2.588+02	1.041+09	6.963−03	3.559−02	6.114−02	4.091−13	1.902−02	1.131−03	7.566−15
62	132	2.466+02	0.000−00	0.000−00	0.000−00	1.372−00	4.168−12	1.677−01	2.050−03	6.228−15
62	133	2.355+02	2.668+09	1.479−02	6.877−02	6.257−01	3.468−12	1.216−01	1.518−04	8.416−16
62	134	2.317+02	1.198+09	9.643−03	4.413−02	1.546−00	1.245−11	4.156−01	1.411−04	1.135−15
63	68	1.302+03	2.899+05	7.363−05	6.309−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
63	69	1.180+03	5.480+05	2.287−04	1.777−03	3.833−08	1.600−17	2.351−05	0.000−00	0.000−00
63	71	1.028+03	0.000−00	0.000−00	0.000−00	5.111−06	2.429−15	2.361−03	4.082−10	1.940−19
63	72	9.055+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.099−07	5.404−17
63	74	8.770+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.045−07	9.430−17
63	77	8.270+02	0.000−00	0.000−00	0.000−00	4.699−05	1.446−14	7.316−03	1.311−06	4.033−16
63	78	7.988+02	1.291+07	2.470−03	1.299−02	1.303−03	2.493−13	1.137−01	0.000−00	0.000−00
63	79	7.580+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.075−07	1.059−16
63	80	7.530+02	0.000−00	0.000−00	0.000−00	1.376−04	3.510−14	1.341−02	1.086−06	2.771−16
63	81	7.256+02	5.859+07	4.624−03	2.209−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
63	82	6.878+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.661−07	2.457−16
63	83	6.559+02	1.736+06	1.119−04	4.834−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
63	84	6.391+02	2.132+05	2.611−05	1.099−04	3.448−02	4.223−12	9.864−01	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
63	86	6.198+02	2.026+06	2.334−04	9.523−04	3.993−03	4.600−13	9.799−02	0.000−00	0.000−00
63	87	6.145+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.408−07	3.188−17
63	88	6.045+02	0.000−00	0.000−00	0.000−00	1.051−02	1.727−12	3.412−01	6.567−08	1.079−17
63	89	6.022+02	0.000−00	0.000−00	0.000−00	1.770−02	2.887−12	5.641−01	1.465−06	2.390−16
63	90	5.808+02	1.609+07	1.628−03	6.225−03	4.645−03	4.698−13	8.236−02	0.000−00	0.000−00
63	92	5.630+02	3.611+07	3.432−03	1.272−02	3.567−03	3.391−13	5.414−02	0.000−00	0.000−00
63	93	5.450+02	0.000−00	0.000−00	0.000−00	3.156−03	4.216−13	6.105−02	4.881−06	6.521−16
63	94	5.387+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.403−07	4.181−17
63	95	5.305+02	0.000−00	0.000−00	0.000−00	7.425−03	9.398−13	1.255−01	1.013−06	1.282−16
63	96	5.240+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.245−06	2.050−16
63	97	5.165+02	8.472+06	3.388−04	1.152−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
63	98	4.962+02	3.832+05	2.829−05	9.244−05	2.261−03	1.670−13	1.825−02	0.000−00	0.000−00
63	99	4.910+02	0.000−00	0.000−00	0.000−00	3.540−02	3.838−12	4.063−01	1.749−08	1.896−18
63	100	4.789+02	1.749+08	1.203−02	3.792−02	2.456−04	1.689−14	1.659−03	0.000−00	0.000−00
63	101	4.796+02	0.000−00	0.000−00	0.000−00	5.382−06	5.569−16	5.497−05	1.744−07	1.804−17
63	102	4.560+02	0.000−00	0.000−00	0.000−00	7.475−04	6.990−14	5.929−03	1.885−07	1.763−17
63	103	4.540+02	1.943+06	6.003−05	1.794−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
63	104	4.432+02	3.136+08	1.847−02	5.390−02	9.298−03	5.476−13	4.265−02	0.000−00	0.000−00
63	105	4.384+02	6.760+06	1.948−04	5.623−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
63	106	4.389+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.006−04	1.162−14
63	107	4.283+02	0.000−00	0.000−00	0.000−00	9.438−02	7.787−12	5.475−01	3.085−05	2.545−15
63	108	4.115+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.765−06	6.869−16
63	110	4.016+02	4.096+07	1.981−03	5.239−03	1.612−01	7.798−12	4.520−01	0.000−00	0.000−00
63	112	3.837+02	7.108+08	3.137−02	7.925−02	1.005−02	4.434−13	2.241−02	0.000−00	0.000−00
63	113	3.713+02	0.000−00	0.000−00	0.000−00	1.694−02	1.050−12	4.808−02	3.626−04	2.248−14
63	114	3.617+02	0.000−00	0.000−00	0.000−00	3.441−01	2.025−11	8.574−01	6.676−06	3.928−16
63	115	3.582+02	1.501+09	2.887−02	6.810−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
63	116	3.568+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.341−05	1.787−15
63	117	3.548+02	9.701+06	3.661−04	8.551−04	9.077−01	3.425−11	1.368−00	0.000−00	0.000−00
63	118	3.501+02	0.000−00	0.000−00	0.000−00	3.433−01	1.892−11	7.265−01	9.572−05	5.276−15
63	119	3.462+02	3.207+05	1.153−05	2.628−05	1.650−01	5.929−12	2.201−01	0.000−00	0.000−00
63	120	3.460+02	7.827+07	1.404−03	3.199−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
63	121	3.438+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.274−04	9.027−15
63	122	3.406+02	0.000−00	0.000−00	0.000−00	7.361−01	3.840−11	1.357−00	1.363−04	7.110−15
63	123	3.370+02	2.596+08	8.841−03	1.962−02	9.372−02	3.191−12	1.092−01	0.000−00	0.000−00
63	124	3.109+02	4.478+08	1.298−02	2.657−02	1.229−02	3.562−13	9.579−03	0.000−00	0.000−00
63	125	3.102+02	0.000−00	0.000−00	0.000−00	1.479−01	6.401−12	1.710−01	5.560−04	2.407−14
63	126	3.065+02	5.293+09	7.457−02	1.505−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
63	127	2.885+02	4.212+09	1.051−01	1.997−01	3.843−01	9.591−12	2.061−01	0.000−00	0.000−00
63	128	2.716+02	1.401+08	1.550−03	2.772−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
63	129	2.698+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.218−02	5.314−13
63	130	2.612+02	0.000−00	0.000−00	0.000−00	2.223−00	6.823−11	1.089−00	3.393−02	1.042−12
63	131	2.591+02	1.064+10	2.142−01	3.655−01	7.306−01	1.471−11	2.290−01	0.000−00	0.000−00
63	132	2.469+02	4.977+09	4.549−02	7.396−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
63	133	2.358+02	8.160+08	1.361−02	2.112−02	1.370−01	2.284−12	2.679−02	0.000−00	0.000−00
63	134	2.320+02	0.000−00	0.000−00	0.000−00	5.844−02	1.415−12	1.581−02	9.050−04	2.191−14
64	68	1.609+03	1.412+04	5.478−06	5.803−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
64	69	1.427+03	5.721+04	3.493−05	3.282−04	1.068−05	6.522−15	1.696−02	0.000−00	0.000−00
64	71	1.211+03	0.000−00	0.000−00	0.000−00	1.249−04	8.232−14	1.307−01	6.378−10	4.205−19
64	72	1.044+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.885−08	3.848−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
64	74	1.007+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.814−08	5.963−17
64	77	9.413+02	0.000−00	0.000−00	0.000−00	3.170−06	1.263−15	9.430−04	8.044−08	3.206−17
64	78	9.049+02	1.069+05	2.624−05	1.563−04	8.673−04	2.129−13	1.412−01	0.000−00	0.000−00
64	79	8.528+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.391−08	6.069−18
64	80	8.466+02	0.000−00	0.000−00	0.000−00	8.557−04	2.759−13	1.498−01	2.335−08	7.528−18
64	81	8.121+02	1.987+06	1.965−04	1.051−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
64	82	7.651+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.940−07	2.787−16
64	83	7.258+02	2.640+05	2.084−05	9.960−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
64	84	7.053+02	4.808+04	7.171−06	3.330−05	5.761−03	8.593−13	2.698−01	0.000−00	0.000−00
64	86	6.819+02	2.154+06	3.003−04	1.348−03	8.252−03	1.150−12	3.263−01	0.000−00	0.000−00
64	87	6.755+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.403−09	6.576−19
64	88	6.633+02	0.000−00	0.000−00	0.000−00	5.010−03	9.916−13	2.590−01	1.313−07	2.599−17
64	89	6.606+02	0.000−00	0.000−00	0.000−00	6.511−03	1.278−12	3.296−01	1.404−06	2.756−16
64	90	6.349+02	5.026+06	6.075−04	2.540−03	1.472−03	1.779−13	4.074−02	0.000−00	0.000−00
64	92	6.137+02	3.765+06	4.253−04	1.718−03	1.960−02	2.214−12	4.579−01	0.000−00	0.000−00
64	93	5.924+02	0.000−00	0.000−00	0.000−00	5.480−05	8.650−15	1.609−03	9.226−06	1.456−15
64	94	5.849+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.942−07	1.219−16
64	95	5.753+02	0.000−00	0.000−00	0.000−00	4.036−04	6.008−14	1.024−02	2.011−06	2.994−16
64	96	5.677+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.927−07	1.725−16
64	97	5.589+02	6.781+05	3.175−05	1.168−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
64	98	5.352+02	1.314+04	1.129−06	3.978−06	1.538−03	1.321−13	1.812−02	0.000−00	0.000−00
64	99	5.291+02	0.000−00	0.000−00	0.000−00	1.404−02	1.768−12	2.343−01	2.700−06	3.399−16
64	100	5.151+02	1.673+07	1.331−03	4.512−03	4.455−03	3.544−13	4.333−02	0.000−00	0.000−00
64	101	5.160+02	0.000−00	0.000−00	0.000−00	3.978−02	4.763−12	5.853−01	5.120−07	6.130−17
64	102	4.887+02	0.000−00	0.000−00	0.000−00	2.615−03	2.808−13	2.932−02	1.203−06	1.292−16
64	103	4.864+02	1.490+06	5.283−05	1.692−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
64	104	4.740+02	1.497+07	1.009−03	3.148−03	3.500−02	2.358−12	2.247−01	0.000−00	0.000−00
64	105	4.686+02	5.353+07	1.762−03	5.437−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
64	106	4.691+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.700−05	4.883−15
64	107	4.571+02	0.000−00	0.000−00	0.000−00	2.528−02	2.375−12	2.029−01	2.643−05	2.483−15
64	108	4.379+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.990−06	2.288−16
64	110	4.268+02	5.028+06	2.746−04	7.716−04	2.302−03	1.257−13	8.743−03	0.000−00	0.000−00
64	112	4.066+02	9.746+07	4.830−03	1.293−02	2.703−02	1.340−12	8.054−02	0.000−00	0.000−00
64	113	3.927+02	0.000−00	0.000−00	0.000−00	1.028−01	7.128−12	3.862−01	2.969−04	2.059−14
64	114	3.820+02	0.000−00	0.000−00	0.000−00	2.814−01	1.847−11	9.211−01	2.773−05	1.820−15
64	115	3.781+02	4.357+08	9.338−03	2.325−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
64	116	3.765+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.474−04	1.254−14
64	117	3.743+02	2.102+04	8.827−07	2.175−06	8.999−01	3.779−11	1.773−00	0.000−00	0.000−00
64	118	3.691+02	0.000−00	0.000−00	0.000−00	8.014−02	4.909−12	2.208−01	2.212−06	1.355−16
64	119	3.648+02	8.760+06	3.495−04	8.393−04	1.810−01	7.220−12	3.135−01	0.000−00	0.000−00
64	120	3.645+02	4.684+07	9.329−04	2.239−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
64	121	3.620+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.169−04	2.491−14
64	122	3.585+02	0.000−00	0.000−00	0.000−00	5.909−01	3.415−11	1.408−00	1.978−05	1.143−15
64	123	3.545+02	3.562+08	1.342−02	3.133−02	3.824−02	1.441−12	5.745−02	0.000−00	0.000−00
64	124	3.258+02	1.254+09	3.991−02	8.560−02	8.092−09	2.575−19	7.968−09	0.000−00	0.000−00
64	125	3.250+02	0.000−00	0.000−00	0.000−00	6.219−02	2.955−12	9.077−02	5.701−04	2.709−14
64	126	3.210+02	2.558+08	3.952−03	8.352−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
64	127	3.013+02	4.710+07	1.282−03	2.543−03	1.680−02	4.572−13	1.119−02	0.000−00	0.000−00
64	128	2.829+02	8.258+08	9.908−03	1.846−02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
64	129	2.809+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.229−02	1.055−12

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
64	130	2.717+02	0.000−00	0.000−00	0.000−00	1.254−00	4.163−11	7.468−01	2.905−03	9.644−14
64	131	2.694+02	3.356+09	7.300−02	1.295−01	1.255−01	2.731−12	4.775−02	0.000−00	0.000−00
64	132	2.562+02	1.798+10	1.770−01	2.986−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
64	133	2.443+02	1.791+10	3.203−01	5.151−01	2.885−01	5.161−12	6.729−02	0.000−00	0.000−00
64	134	2.402+02	0.000−00	0.000−00	0.000−00	1.527−00	3.961−11	4.911−01	7.390−02	1.918−12
65	68	1.848+03	3.601+04	9.218−06	2.243−04	8.956−08	2.292−17	2.588−04	0.000−00	0.000−00
65	69	1.612+03	7.597+03	2.959−06	6.282−05	2.727−09	1.062−18	7.963−06	1.198−10	4.666−20
65	71	1.341+03	2.188+05	8.854−05	1.564−03	1.800−05	7.282−15	3.144−02	3.903−10	1.579−19
65	72	1.140+03	0.000−00	0.000−00	0.000−00	9.023−05	3.516−14	9.322−02	1.394−09	5.432−19
65	73	1.111+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.761−08	2.204−17
65	74	1.095+03	0.000−00	0.000−00	0.000−00	2.367−04	8.512−14	2.001−01	1.859−09	6.685−19
65	77	1.018+03	2.563+06	5.977−04	8.016−03	6.082−04	1.419−13	2.681−01	2.430−08	5.669−18
65	78	9.759+02	7.288+06	1.041−03	1.337−02	2.096−04	2.993−14	4.977−02	2.035−07	2.905−17
65	79	9.156+02	0.000−00	0.000−00	0.000−00	3.478−04	8.744−14	1.201−01	5.428−07	1.364−16
65	80	9.085+02	1.969+06	3.655−04	4.373−03	9.019−04	1.674−13	2.246−01	9.356−08	1.736−17
65	81	8.688+02	4.684+06	2.651−04	3.033−03	1.656−03	9.372−14	1.100−01	0.000−00	0.000−00
65	82	8.152+02	0.000−00	0.000−00	0.000−00	6.638−04	1.323−13	1.283−01	8.140−07	1.622−16
65	83	7.707+02	1.836+06	8.174−05	8.296−04	1.575−03	7.012−14	5.744−02	0.000−00	0.000−00
65	84	7.477+02	1.431+05	1.200−05	1.181−04	3.486−04	2.922−14	2.186−02	3.290−09	2.758−19
65	85	7.498+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.316−06	4.879−16
65	86	7.214+02	6.690+05	5.220−05	4.958−04	8.504−04	6.635−14	4.457−02	5.239−10	4.087−20
65	87	7.143+02	0.000−00	0.000−00	0.000−00	2.564−04	3.923−14	2.558−02	9.113−07	1.394−16
65	88	7.007+02	5.109+05	5.641−05	5.205−04	3.339−02	3.687−12	2.270−00	7.940−09	8.767−19
65	89	6.977+02	1.841+05	2.015−05	1.851−04	4.564−03	4.995−13	3.035−01	4.710−08	5.156−18
65	90	6.691+02	1.025+06	6.878−05	6.060−04	6.859−03	4.604−13	2.467−01	2.337−06	1.569−16
65	91	6.496+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.604−07	2.537−17
65	92	6.456+02	8.970+03	5.605−07	4.765−06	3.556−04	2.222−14	1.070−02	5.213−09	3.258−19
65	93	6.220+02	4.173+06	3.631−04	2.974−03	3.575−03	3.110−13	1.339−01	2.322−09	2.020−19
65	94	6.138+02	0.000−00	0.000−00	0.000−00	2.734−03	3.088−13	1.278−01	3.023−06	3.414−16
65	95	6.032+02	1.580+06	1.293−04	1.027−03	1.784−03	1.460−13	5.734−02	7.011−06	5.736−16
65	96	5.948+02	0.000−00	0.000−00	0.000−00	1.584−03	1.680−13	6.327−02	9.535−06	1.011−15
65	97	5.852+02	2.391+06	6.138−05	4.730−04	1.319−02	3.385−13	1.214−01	0.000−00	0.000−00
65	98	5.593+02	3.129+06	1.467−04	1.081−03	8.611−03	4.038−13	1.264−01	4.076−06	1.911−16
65	99	5.526+02	1.808+02	1.241−08	9.033−08	3.569−03	2.451−13	7.400−02	2.407−07	1.653−17
65	100	5.373+02	6.628+06	2.869−04	2.030−03	3.226−03	1.396−13	3.876−02	3.129−05	1.355−15
65	101	5.383+02	6.512+04	4.244−06	3.008−05	6.555−04	4.271−14	1.192−02	4.254−07	2.772−17
65	102	5.087+02	1.582+08	9.203−03	6.165−02	2.669−06	1.553−16	3.657−05	2.918−05	1.698−15
65	103	5.062+02	1.061+06	2.038−05	1.359−04	5.164−03	9.918−14	2.302−02	0.000−00	0.000−00
65	104	4.928+02	9.937+07	3.618−03	2.348−02	3.632−03	1.323−13	2.833−02	4.096−06	1.491−16
65	105	4.869+02	5.090+07	9.047−04	5.801−03	2.377−01	4.225−12	8.727−01	0.000−00	0.000−00
65	106	4.875+02	0.000−00	0.000−00	0.000−00	2.223−02	1.584−12	3.285−01	8.310−07	5.922−17
65	107	4.745+02	1.767+05	8.945−06	5.589−05	2.390−03	1.210−13	2.314−02	1.406−05	7.120−16
65	108	4.539+02	0.000−00	0.000−00	0.000−00	5.205−03	3.216−13	5.382−02	2.257−05	1.394−15
65	109	4.492+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.118−04	1.601−14
65	110	4.419+02	3.000+06	8.783−05	5.112−04	7.731−02	2.264−12	3.496−01	1.089−05	3.189−16
65	111	4.258+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.478−04	1.684−14
65	112	4.203+02	6.390+07	1.692−03	9.367−03	9.997−03	2.648−13	3.518−02	5.906−05	1.564−15
65	113	4.055+02	4.587+08	1.696−02	9.056−02	4.698−02	1.737−12	2.072−01	3.234−05	1.196−15
65	114	3.941+02	9.002+07	3.144−03	1.632−02	9.133−02	3.190−12	3.495−01	3.698−05	1.292−15
65	115	3.900+02	9.909+08	1.130−02	5.800−02	2.882−04	3.285−15	3.486−04	0.000−00	0.000−00

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
65	116	3.883+02	0.000−00	0.000−00	0.000−00	6.347−02	2.869−12	3.006−01	3.540−06	1.601−16
65	117	3.859+02	2.044+07	4.562−04	2.318−03	5.711−02	1.275−12	1.311−01	2.371−07	5.292−18
65	118	3.803+02	1.120+08	3.645−03	1.826−02	2.157−04	7.019−15	6.910−04	2.332−07	7.585−18
65	119	3.758+02	7.297+05	1.545−05	7.643−05	1.830−01	3.873−12	3.678−01	2.574−04	5.448−15
65	120	3.755+02	6.949+07	7.344−04	3.631−03	7.693−02	8.129−13	7.700−02	0.000−00	0.000−00
65	121	3.729+02	0.000−00	0.000−00	0.000−00	9.247−04	3.855−14	3.576−03	7.011−04	2.923−14
65	122	3.691+02	2.261+08	6.927−03	3.367−02	1.636−02	5.012−13	4.511−02	9.388−04	2.877−14
65	123	3.649+02	1.127+09	2.250−02	1.081−01	1.417−01	2.828−12	2.459−01	1.410−04	2.814−15
65	124	3.345+02	1.773+08	2.976−03	1.311−02	2.700−01	4.530−12	3.035−01	1.593−04	2.672−15
65	125	3.337+02	1.341+09	3.358−02	1.476−01	3.848−02	9.639−13	6.412−02	2.229−04	5.584−15
65	126	3.295+02	4.666+08	3.797−03	1.648−02	2.143−01	1.744−12	1.116−01	0.000−00	0.000−00
65	127	3.088+02	3.367+09	4.812−02	1.957−01	1.000−00	1.429−11	7.528−01	2.226−04	3.181−15
65	128	2.895+02	5.637+09	3.541−02	1.350−01	1.517−00	9.531−12	4.137−01	0.000−00	0.000−00
65	129	2.874+02	0.000−00	0.000−00	0.000−00	1.810−01	4.483−12	1.904−01	1.012−03	2.506−14
65	130	2.777+02	3.181+09	5.518−02	2.018−01	8.846−00	1.535−10	5.883−00	6.413−03	1.112−13
65	131	2.753+02	6.359+09	7.226−02	2.620−01	7.519−01	8.545−12	3.191−01	5.045−03	5.734−14
65	132	2.616+02	1.885+08	9.668−04	3.331−03	1.262−00	6.476−12	2.075−01	0.000−00	0.000−00
65	133	2.491+02	3.589+09	3.340−02	1.096−01	5.943−03	5.531−14	1.531−03	7.681−02	7.148−13
65	134	2.449+02	1.022+10	1.379−01	4.448−01	1.019+01	1.374−10	3.612−00	3.466−02	4.675−13
66	68	2.546+03	4.849+01	2.357−08	7.902−07	1.043−08	5.069−18	1.497−04	0.000−00	0.000−00
66	69	2.119+03	2.908+02	1.957−07	5.462−06	2.487−07	1.674−16	2.849−03	7.637−12	5.140−21
66	71	1.675+03	7.135+03	4.499−06	9.922−05	6.230−07	3.929−16	3.302−03	1.016−11	6.405−21
66	72	1.372+03	0.000−00	0.000−00	0.000−00	1.553−05	8.767−15	4.053−02	4.138−10	2.336−19
66	73	1.331+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.487−11	3.642−20
66	74	1.308+03	0.000−00	0.000−00	0.000−00	5.923−05	3.038−14	1.216−01	1.624−09	8.328−19
66	77	1.200+03	1.299+05	4.204−05	6.642−04	1.174−04	3.800−14	1.174−01	2.046−08	6.622−18
66	78	1.141+03	4.848+06	9.465−04	1.422−02	3.830−06	7.477−16	1.988−03	6.531−08	1.275−17
66	79	1.060+03	0.000−00	0.000−00	0.000−00	1.995−05	6.716−15	1.430−02	1.045−07	3.518−17
66	80	1.050+03	1.099+05	2.725−05	3.768−04	1.617−04	4.009−14	8.307−02	3.060−08	7.587−18
66	81	9.974+02	7.872+05	5.870−05	7.710−04	5.478−04	4.085−14	7.254−02	0.000−00	0.000−00
66	82	9.275+02	0.000−00	0.000−00	0.000−00	6.380−05	1.645−14	2.349−02	2.718−08	7.009−18
66	83	8.703+02	6.440+05	3.656−05	4.190−04	3.026−06	1.718−16	2.026−04	0.000−00	0.000−00
66	84	8.410+02	2.587+05	2.743−05	3.038−04	8.384−05	8.891−15	9.465−03	6.132−10	6.502−20
66	85	8.437+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.604−09	2.562−18
66	86	8.079+02	8.495+04	8.313−06	8.844−05	1.352−06	1.323−16	1.249−04	5.888−09	5.761−19
66	87	7.990+02	0.000−00	0.000−00	0.000−00	2.893−04	5.538−14	5.054−02	7.047−08	1.349−17
66	88	7.821+02	1.072+05	1.474−05	1.518−04	2.924−03	4.022−13	3.442−01	1.742−09	2.396−19
66	89	7.782+02	8.402+05	1.144−04	1.173−03	8.689−05	1.184−14	9.982−03	1.206−08	1.643−18
66	90	7.428+02	1.993+06	1.648−04	1.613−03	5.979−04	4.946−14	3.628−02	5.153−07	4.263−17
66	91	7.189+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.675−09	9.057−19
66	92	7.140+02	8.983+03	6.866−07	6.455−06	9.343−04	7.141−14	4.651−02	7.581−08	5.794−18
66	93	6.853+02	1.578+04	1.666−06	1.503−05	1.100−03	1.161−13	6.687−02	3.723−08	3.932−18
66	94	6.753+02	0.000−00	0.000−00	0.000−00	2.457−04	3.360−14	1.852−02	7.888−09	1.079−18
66	95	6.625+02	2.196+05	2.167−05	1.891−04	1.831−04	1.807−14	9.404−03	8.584−08	8.473−18
66	96	6.524+02	0.000−00	0.000−00	0.000−00	3.456−03	4.410−13	2.192−01	2.516−07	3.210−17
66	97	6.408+02	1.721+05	5.299−06	4.471−05	2.793−03	8.597−14	4.048−02	0.000−00	0.000−00
66	98	6.099+02	2.600+04	1.450−06	1.164−05	1.552−04	8.652−15	3.512−03	1.607−08	8.964−19
66	99	6.020+02	4.310+05	3.512−05	2.784−04	1.153−03	9.394−14	3.667−02	2.684−08	2.188−18
66	100	5.839+02	4.924+07	2.517−03	1.935−02	2.595−05	1.326−15	4.724−04	6.519−08	3.332−18
66	101	5.850+02	5.276+06	4.061−04	3.128−03	1.724−04	1.327−14	4.754−03	1.573−06	1.211−16

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
66	102	5.502+02	7.581+06	5.161−04	3.739−03	5.979−04	4.070−14	1.213−02	6.120−08	4.166−18
66	103	5.473+02	3.617+07	8.122−04	5.854−03	2.146−04	4.819−15	1.414−03	0.000−00	0.000−00
66	104	5.317+02	4.957+07	2.101−03	1.471−02	7.437−03	3.152−13	8.478−02	2.945−06	1.248−16
66	105	5.249+02	9.824+05	2.029−05	1.402−04	1.667−01	3.442−12	8.905−01	0.000−00	0.000−00
66	106	5.255+02	0.000−00	0.000−00	0.000−00	1.459−03	1.208−13	3.138−02	1.509−08	1.250−18
66	107	5.104+02	1.281+08	7.504−03	5.044−02	1.811−12	1.061−22	2.526−11	1.236−05	7.245−16
66	108	4.867+02	0.000−00	0.000−00	0.000−00	7.530−02	5.348−12	1.103−00	1.327−06	9.425−17
66	109	4.812+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.765−07	5.004−17
66	110	4.730+02	5.392+07	1.808−03	1.126−02	2.441−01	8.187−12	1.550−00	1.788−05	5.995−16
66	111	4.545+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.881−06	6.875−16
66	112	4.483+02	4.545+07	1.369−03	8.082−03	1.106−03	3.331−14	5.369−03	2.169−05	6.535−16
66	113	4.314+02	1.820+08	7.620−03	4.329−02	6.826−02	2.857−12	4.106−01	3.324−05	1.392−15
66	114	4.186+02	2.962+08	1.167−02	6.434−02	2.696−01	1.063−11	1.395−00	9.505−05	3.745−15
66	115	4.139+02	6.418+07	8.242−04	4.492−03	5.608−03	7.202−14	9.139−03	0.000−00	0.000−00
66	116	4.120+02	0.000−00	0.000−00	0.000−00	1.071−02	5.454−13	6.827−02	7.060−05	3.594−15
66	117	4.093+02	2.091+07	5.251−04	2.830−03	2.558−01	6.426−12	7.885−01	2.187−05	5.493−16
66	118	4.031+02	1.140+07	4.165−04	2.211−03	1.790−03	6.542−14	7.668−03	1.384−04	5.057−15
66	119	3.980+02	1.178+07	2.797−04	1.466−03	1.131−02	2.685−13	3.029−02	4.178−05	9.919−16
66	120	3.976+02	3.594+07	4.260−04	2.231−03	1.205−04	1.428−15	1.607−04	0.000−00	0.000−00
66	121	3.947+02	0.000−00	0.000−00	0.000−00	8.298−02	3.877−12	4.266−01	2.766−05	1.292−15
66	122	3.905+02	1.334+07	4.576−04	2.354−03	6.578−02	2.256−12	2.404−01	1.467−04	5.031−15
66	123	3.858+02	1.311+08	2.926−03	1.486−02	4.744−04	1.059−14	1.088−03	2.773−04	6.188−15
66	124	3.520+02	2.871+09	5.334−02	2.473−01	5.522−04	1.026−14	8.010−04	9.347−07	1.737−17
66	125	3.511+02	8.206+09	2.275−01	1.052−00	1.862−02	5.163−13	4.000−02	9.455−06	2.622−16
66	126	3.464+02	5.767+09	5.188−02	2.367−01	4.565−02	4.107−13	3.056−02	0.000−00	0.000−00
66	127	3.236+02	3.468+09	5.444−02	2.320−01	1.625−00	2.551−11	1.547−00	3.841−04	6.030−15
66	128	3.025+02	3.285+09	2.253−02	8.975−02	3.868−00	2.653−11	1.314−00	0.000−00	0.000−00
66	129	3.002+02	0.000−00	0.000−00	0.000−00	2.641−03	7.137−14	3.455−03	1.123−04	3.034−15
66	130	2.897+02	7.080+07	1.336−03	5.097−03	1.398−00	2.637−11	1.147−00	1.460−03	2.756−14
66	131	2.871+02	6.578+06	8.127−05	3.072−04	6.326−01	7.815−12	3.308−01	4.010−03	4.954−14
66	132	2.722+02	2.531+08	1.405−03	5.036−03	6.137−01	3.408−12	1.229−01	0.000−00	0.000−00
66	133	2.587+02	1.346+08	1.351−03	4.602−03	6.701−02	6.725−13	2.084−02	1.075−03	1.078−14
66	134	2.542+02	8.509+08	1.236−02	4.137−02	8.501−02	1.235−12	3.628−02	1.526−04	2.217−15
67	68	9.642+03	6.009−00	8.374−08	5.316−06	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
67	69	5.467+03	1.219+01	1.093−07	3.932−06	8.635−09	7.738−17	1.131−02	0.000−00	0.000−00
67	71	3.246+03	0.000−00	0.000−00	0.000−00	5.359−07	2.539−15	7.765−02	6.045−14	2.863−22
67	72	2.274+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	3.348−11	1.038−19
67	74	2.102+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.747−11	2.584−19
67	77	1.837+03	0.000−00	0.000−00	0.000−00	5.440−07	8.253−16	4.574−03	1.981−09	3.006−18
67	78	1.703+03	9.586+03	8.335−06	9.345−05	1.689−05	1.468−14	6.487−02	0.000−00	0.000−00
67	79	1.527+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.145−10	1.140−18
67	80	1.508+03	0.000−00	0.000−00	0.000−00	3.820−06	3.905−15	1.197−02	3.356−09	3.431−18
67	81	1.401+03	1.515+06	4.461−04	4.117−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
67	82	1.267+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.352−09	1.302−18
67	83	1.163+03	8.178+03	1.657−06	1.269−05	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
67	84	1.111+03	5.242+03	1.941−06	1.420−05	2.805−04	1.038−13	1.274−01	0.000−00	0.000−00
67	86	1.054+03	1.812+05	6.038−05	4.190−04	1.412−04	4.702−14	4.927−02	0.000−00	0.000−00
67	87	1.039+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.380−10	6.071−19
67	88	1.010+03	0.000−00	0.000−00	0.000−00	2.288−04	1.051−13	9.700−02	7.286−10	3.346−19
67	89	1.004+03	0.000−00	0.000−00	0.000−00	1.641−04	7.441−14	6.739−02	1.927−08	8.737−18

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
67	90	9.459+02	3.303+04	8.862−06	5.519−05	8.080−06	2.168−15	1.642−03	0.000−00	0.000−00
67	92	8.997+02	1.867+06	4.531−04	2.684−03	1.245−04	3.021−14	1.969−02	0.000−00	0.000−00
67	93	8.545+02	0.000−00	0.000−00	0.000−00	3.784−05	1.243−14	6.937−03	8.653−08	2.842−17
67	94	8.391+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.571−09	1.086−18
67	95	8.194+02	0.000−00	0.000−00	0.000−00	5.848−05	1.766−14	8.693−03	4.218−09	1.274−18
67	96	8.040+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.435−08	5.565−18
67	97	7.865+02	2.404+05	2.230−05	1.154−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
67	98	7.404+02	3.040+05	4.998−05	2.437−04	6.356−05	1.045−14	3.794−03	0.000−00	0.000−00
67	99	7.288+02	0.000−00	0.000−00	0.000−00	9.473−04	2.263−13	7.835−02	2.139−08	5.110−18
67	100	7.024+02	2.936+06	4.343−04	2.009−03	2.492−04	3.686−14	1.143−02	0.000−00	0.000−00
67	101	7.041+02	0.000−00	0.000−00	0.000−00	3.462−04	7.718−14	2.410−02	1.462−08	3.260−18
67	102	6.542+02	0.000−00	0.000−00	0.000−00	4.096−03	7.885−13	1.976−01	9.127−08	1.757−17
67	103	6.502+02	5.809+05	3.681−05	1.576−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
67	104	6.282+02	4.619+06	5.466−04	2.261−03	4.083−04	4.833−14	1.072−02	0.000−00	0.000−00
67	105	6.187+02	2.365+03	1.357−07	5.529−07	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
67	106	6.197+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	7.764−07	1.788−16
67	107	5.988+02	0.000−00	0.000−00	0.000−00	3.531−03	5.695−13	1.094−01	3.448−07	5.560−17
67	108	5.664+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	8.829−08	1.698−17
67	110	5.479+02	1.855+07	1.669−03	6.022−03	9.493−03	8.543−13	1.257−01	0.000−00	0.000−00
67	112	5.150+02	3.770+07	2.998−03	1.017−02	2.867−03	2.280−13	2.786−02	0.000−00	0.000−00
67	113	4.929+02	0.000−00	0.000−00	0.000−00	3.005−04	3.284−14	3.519−03	3.176−05	3.471−15
67	114	4.762+02	0.000−00	0.000−00	0.000−00	9.817−03	1.001−12	9.675−02	2.639−06	2.691−16
67	115	4.702+02	3.377+07	1.119−03	3.464−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
67	116	4.678+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	5.440−06	7.137−16
67	117	4.642+02	5.493+05	3.549−05	1.085−04	1.877−02	1.213−12	1.085−01	0.000−00	0.000−00
67	118	4.562+02	0.000−00	0.000−00	0.000−00	2.579−02	2.415−12	2.052−01	5.893−06	5.518−16
67	119	4.497+02	8.399+06	5.093−04	1.508−03	3.620−06	2.195−16	1.786−05	0.000−00	0.000−00
67	120	4.493+02	2.173+06	6.575−05	1.945−04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
67	121	4.455+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.684−06	5.576−16
67	122	4.402+02	0.000−00	0.000−00	0.000−00	2.623−02	2.287−12	1.745−01	1.844−05	1.607−15
67	123	4.342+02	2.927+08	1.655−02	4.731−02	3.263−02	1.845−12	1.351−01	0.000−00	0.000−00
67	124	3.919+02	3.540+09	1.630−01	4.207−01	1.544−02	7.112−13	3.830−02	0.000−00	0.000−00
67	125	3.908+02	0.000−00	0.000−00	0.000−00	3.191−01	2.192−11	1.170−00	1.312−05	9.010−16
67	126	3.850+02	2.770+07	6.154−04	1.560−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
67	127	3.570+02	1.266+09	4.836−02	1.137−01	6.510−01	2.487−11	1.012−00	0.000−00	0.000−00
67	128	3.315+02	7.837+09	1.291−01	2.817−01	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
67	129	3.287+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.810−05	3.117−15
67	130	3.161+02	0.000−00	0.000−00	0.000−00	2.056−00	9.242−11	2.613−00	6.530−04	2.936−14
67	131	3.130+02	2.018+09	5.930−02	1.222−01	2.455−01	7.214−12	1.980−01	0.000−00	0.000−00
67	132	2.954+02	1.494+08	1.955−03	3.802−03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00
67	133	2.796+02	8.861+07	2.077−03	3.825−03	5.801−02	1.360−12	2.660−02	0.000−00	0.000−00
67	134	2.743+02	0.000−00	0.000−00	0.000−00	8.880−01	3.005−11	5.550−01	6.765−04	2.290−14
68	70	1.107+04	0.000−00	0.000−00	0.000−00	1.496−10	8.250−18	1.002−02	1.241−18	6.841−26
68	76	2.558+03	7.720+02	1.515−06	2.552−05	1.470−08	2.884−17	4.321−04	0.000−00	0.000−00
69	70	8.996+04	6.123−04	1.114−09	1.320−06	8.294−15	1.509−20	1.966−02	1.967−23	3.579−29
69	76	3.209+03	2.600+02	4.014−07	1.696−05	2.541−08	3.922−17	2.318−03	1.413−14	2.181−23
70	71	8.766+03	1.735−00	1.999−08	3.461−06	7.849−10	9.041−18	1.635−02	4.349−17	5.010−25
70	72	4.070+03	1.453+01	4.810−08	3.867−06	7.767−09	2.572−17	4.653−03	8.279−14	2.741−22
70	73	3.726+03	0.000−00	0.000−00	0.000−00	1.123−08	3.893−17	5.404−03	1.099−15	3.810−24
70	74	3.551+03	6.432−00	1.621−08	1.138−06	4.644−08	1.171−16	1.407−02	1.843−13	4.647−22

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
70	75	3.235+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	9.598−17	3.012−25
70	77	2.854+03	2.401+04	2.931−05	1.652−03	7.534−08	9.197−17	5.736−03	2.269−13	2.770−22
70	78	2.543+03	7.923+04	5.121−05	2.572−03	2.565−07	1.658−16	7.320−03	1.406−11	9.089−21
70	79	2.171+03	1.148+04	1.081−05	4.637−04	5.780−07	5.444−16	1.495−02	7.001−11	6.594−20
70	80	2.131+03	1.138+04	7.748−06	3.261−04	1.860−07	1.266−16	3.289−03	2.147−12	1.462−21
70	81	1.925+03	0.000−00	0.000−00	0.000−00	4.756−08	8.807−18	1.686−04	1.534−12	2.841−22
70	82	1.680+03	1.549+04	8.739−06	2.900−04	2.516−09	1.420−18	1.808−05	1.259−11	7.104−21
70	83	1.502+03	0.000−00	0.000−00	0.000−00	1.316−07	1.482−17	1.347−04	4.475−10	5.042−20
70	84	1.417+03	1.454+04	2.917−06	8.161−05	6.231−08	1.250−17	9.535−05	1.052−10	2.109−20
70	85	1.424+03	0.000−00	0.000−00	0.000−00	2.221−06	1.125−15	8.725−03	2.016−11	1.022−20
70	86	1.325+03	5.860+04	1.028−05	2.691−04	3.225−06	5.659−16	3.534−03	5.610−09	9.844−19
70	87	1.301+03	2.527+04	8.551−06	2.198−04	1.680−05	5.684−15	3.361−02	1.995−10	6.751−20
70	88	1.257+03	6.640+03	1.573−06	3.904−05	1.023−05	2.422−15	1.291−02	2.161−10	5.117−20
70	89	1.247+03	3.538+05	8.248−05	2.032−03	4.817−06	1.123−15	5.846−03	1.090−11	2.541−21
70	90	1.159+03	2.310+03	3.099−07	7.092−06	3.468−05	4.653−15	1.942−02	1.358−08	1.822−18
70	91	1.102+03	0.000−00	0.000−00	0.000−00	3.435−05	1.041−14	3.735−02	2.291−11	6.945−21
70	92	1.090+03	5.705+05	6.774−05	1.458−03	5.732−09	6.806−19	2.365−06	2.233−08	2.652−18
70	93	1.024+03	1.311+04	2.063−06	4.173−05	2.632−07	4.141−17	1.195−04	8.661−09	1.362−18
70	94	1.002+03	2.489+02	4.999−08	9.896−07	7.167−05	1.439−14	3.889−02	1.519−10	3.051−20
70	95	9.743+02	2.016+05	2.869−05	5.522−04	2.711−04	3.858−14	9.579−02	1.926−08	2.741−18
70	96	9.527+02	4.129+04	7.491−06	1.410−04	2.711−04	4.919−14	1.142−01	2.056−10	3.729−20
70	97	9.281+02	0.000−00	0.000−00	0.000−00	1.957−04	8.426−15	1.808−02	1.695−08	7.294−19
70	98	8.647+02	1.443+03	1.078−07	1.841−06	1.788−04	1.336−14	2.317−02	2.461−08	1.839−18
70	99	8.488+02	2.721+05	2.938−05	4.926−04	6.272−05	6.775−15	1.112−02	2.224−07	2.402−17
70	100	8.133+02	4.195+06	2.773−04	4.455−03	3.212−04	2.123−14	3.065−02	7.304−07	4.829−17
70	101	8.155+02	3.025+07	3.016−03	4.858−02	5.613−04	5.597−14	8.147−02	1.425−06	1.420−16
70	102	7.494+02	2.620+06	2.206−04	3.266−03	1.249−04	1.052−14	1.188−02	2.041−08	1.718−18
70	103	7.440+02	0.000−00	0.000−00	0.000−00	7.177−05	1.985−15	2.195−03	5.993−07	1.658−17
70	104	7.155+02	7.844+05	4.013−05	5.672−04	1.008−03	5.157−14	5.069−02	6.454−06	3.302−16
70	105	7.031+02	0.000−00	0.000−00	0.000−00	5.152−04	1.273−14	1.188−02	5.299−07	1.309−17
70	106	7.043+02	8.095+06	8.027−04	1.117−02	2.368−07	2.349−17	2.203−05	1.759−09	1.745−19
70	107	6.775+02	1.219+08	8.389−03	1.123−01	8.783−03	6.044−13	5.045−01	1.940−05	1.335−15
70	108	6.363+02	2.171+06	1.757−04	2.208−03	7.819−04	6.328−14	4.376−02	5.925−08	4.795−18
70	109	6.270+02	0.000−00	0.000−00	0.000−00	4.722−03	4.639−13	3.069−01	2.258−07	2.218−17
70	110	6.130+02	1.958+07	7.355−04	8.906−03	8.703−03	3.269−13	2.021−01	6.937−06	2.606−16
70	111	5.823+02	0.000−00	0.000−00	0.000−00	3.342−04	2.831−14	1.500−02	2.948−07	2.497−17
70	112	5.722+02	3.945+06	1.291−04	1.459−03	1.051−02	3.440−13	1.729−01	2.882−07	9.429−18
70	113	5.450+02	6.362+06	2.834−04	3.051−03	1.515−02	6.746−13	2.932−01	1.078−07	4.801−18
70	114	5.247+02	7.831+07	3.232−03	3.350−02	2.752−02	1.136−12	4.403−01	8.140−06	3.360−16
70	115	5.174+02	0.000−00	0.000−00	0.000−00	2.014−03	2.694−14	1.001−02	4.936−07	6.602−18
70	116	5.144+02	6.802+06	3.598−04	3.657−03	1.172−02	6.198−13	2.265−01	1.281−06	6.777−17
70	117	5.102+02	4.192+06	1.091−04	1.099−03	7.938−04	2.065−14	7.360−03	1.053−05	2.738−16
70	118	5.006+02	6.933+07	2.604−03	2.575−02	1.499−01	5.633−12	1.896−00	2.442−06	9.175−17
70	119	4.927+02	3.811+06	9.247−05	8.999−04	3.065−01	7.437−12	2.387−00	9.565−07	2.321−17
70	120	4.922+02	0.000−00	0.000−00	0.000−00	2.375−01	2.875−12	9.200−01	1.248−06	1.511−17
70	121	4.877+02	4.080+07	1.940−03	1.869−02	3.801−01	1.807−11	5.628−00	5.931−06	2.820−16
70	122	4.813+02	9.777+04	3.396−06	3.229−05	2.892−01	1.005−11	3.007−00	8.171−06	2.838−16
70	123	4.742+02	1.230+07	2.765−04	2.590−03	1.298−02	2.916−13	8.345−02	1.325−04	2.978−15
70	124	4.242+02	1.370+08	2.464−03	2.065−02	2.073−02	3.729−13	7.637−02	3.585−05	6.446−16
70	125	4.229+02	2.258+07	6.053−04	5.056−03	6.046−03	1.621−13	3.290−02	9.366−07	2.511−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
70	126	4.161+02	0.000−00	0.000−00	0.000−00	2.441−02	2.112−13	4.084−02	1.938−04	1.676−15
70	127	3.835+02	8.154+08	1.199−02	9.082−02	4.146−02	6.095−13	9.230−02	9.518−05	1.399−15
70	128	3.542+02	0.000−00	0.000−00	0.000−00	6.641−03	4.165−14	4.969−03	4.173−04	2.617−15
70	129	3.511+02	1.590+10	3.917−01	2.717−00	2.170−01	5.348−12	6.214−01	1.504−03	3.706−14
70	130	3.368+02	2.629+08	4.471−03	2.975−02	2.509−02	4.267−13	4.376−02	1.129−03	1.921−14
70	131	3.333+02	6.262+09	6.951−02	4.576−01	3.100−01	3.441−12	3.419−01	5.078−03	5.637−14
70	132	3.134+02	0.000−00	0.000−00	0.000−00	1.999−01	9.811−13	8.104−02	2.352−02	1.154−13
70	133	2.957+02	6.164+09	5.386−02	3.146−01	1.301−01	1.137−12	7.887−02	2.961−03	2.587−14
70	134	2.897+02	1.462+09	1.840−02	1.053−01	3.676−03	4.626−14	3.020−03	6.727−04	8.467−15
71	76	5.363+03	4.764+01	1.369−07	1.451−05	1.028−09	2.955−18	1.223−03	1.624−15	4.667−24
72	76	1.824+04	0.000−00	0.000−00	0.000−00	3.446−11	8.590−19	1.864−02	5.023−18	1.252−25
73	76	3.112+04	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.262−18	7.330−26
74	76	5.273+04	0.000−00	0.000−00	0.000−00	4.911−13	1.024−19	5.372−02	7.239−23	1.509−29
76	77	2.004+04	2.880+01	2.602−06	6.867−04	9.533−12	8.612−19	1.241−02	4.173−19	3.770−26
76	78	1.079+04	6.892+01	1.203−06	1.710−04	3.602−10	6.289−18	1.414−02	2.179−15	3.804−23
76	79	6.246+03	0.000−00	0.000−00	0.000−00	2.139−09	2.502−17	1.091−02	2.260−14	2.644−22
76	80	5.927+03	4.821+01	3.808−07	2.972−05	6.068−09	4.793−17	1.786−02	6.482−15	5.121−23
76	81	4.567+03	2.146+04	3.356−05	2.018−03	6.032−08	9.432−17	1.608−02	0.000−00	0.000−00
76	82	3.394+03	0.000−00	0.000−00	0.000−00	1.787−08	6.175−17	4.321−03	3.286−12	1.135−20
76	83	2.736+03	1.090+04	6.115−06	2.203−04	3.718−07	2.086−16	7.649−03	0.000−00	0.000−00
76	84	2.467+03	1.419+03	1.294−06	4.204−05	2.144−08	1.956−17	5.254−04	2.095−12	1.911−21
76	85	2.490+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	6.865−11	1.595−19
76	86	2.202+03	6.553+04	4.763−05	1.381−03	2.143−07	1.558−16	2.976−03	9.755−11	7.091−20
76	87	2.137+03	0.000−00	0.000−00	0.000−00	4.483−06	6.138−15	1.072−01	2.701−11	3.699−20
76	88	2.020+03	8.450−01	7.753−10	2.062−08	5.998−06	5.504−15	8.116−02	4.098−12	3.760−21
76	89	1.995+03	5.292+04	4.735−05	1.244−03	1.469−05	1.314−14	1.866−01	4.702−11	4.207−20
76	90	1.778+03	2.576+04	1.220−05	2.856−04	2.421−09	1.147−18	1.153−05	2.363−11	1.120−20
76	91	1.647+03	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	2.962−11	3.010−20
76	92	1.621+03	3.242+05	1.277−04	2.726−03	3.443−06	1.356−15	1.034−02	1.010−09	3.976−19
76	93	1.480+03	1.647+02	8.112−08	1.581−06	2.579−05	1.270−14	7.369−02	5.946−12	2.929−21
76	94	1.434+03	0.000−00	0.000−00	0.000−00	1.784−06	1.100−15	5.809−03	1.244−09	7.671−19
76	95	1.378+03	7.068+02	3.017−07	5.475−06	4.205−06	1.795−15	8.402−03	9.693−10	4.138−19
76	96	1.335+03	0.000−00	0.000−00	0.000−00	2.737−07	1.462−16	6.223−04	2.877−09	1.537−18
76	97	1.287+03	4.212+03	5.231−07	8.867−06	1.713−07	2.127−17	8.118−05	0.000−00	0.000−00
76	98	1.168+03	1.259+05	2.576−05	3.962−04	2.434−05	4.980−15	1.421−02	8.981−09	1.838−18
76	99	1.139+03	1.420+05	4.145−05	6.219−04	2.152−07	6.284−17	1.664−04	2.340−09	6.832−19
76	100	1.076+03	4.470+06	7.764−04	1.100−02	1.612−04	2.800−14	6.248−02	2.109−07	3.662−17
76	101	1.080+03	3.654+04	9.590−06	1.364−04	1.298−05	3.407−15	7.685−03	1.235−07	3.242−17
76	102	9.672+02	2.312+06	4.864−04	6.195−03	2.555−05	5.376−15	8.704−03	6.311−08	1.328−17
76	103	9.583+02	6.475+05	4.457−05	5.625−04	3.657−04	2.517−14	3.965−02	0.000−00	0.000−00
76	104	9.115+02	1.404+07	1.748−03	2.098−02	4.500−07	5.605−17	7.594−05	3.835−07	4.777−17
76	105	8.915+02	7.342+03	4.375−07	5.136−06	3.038−04	1.810−14	2.296−02	0.000−00	0.000−00
76	106	8.935+02	0.000−00	0.000−00	0.000−00	3.874−07	9.272−17	1.183−04	2.152−10	5.152−20
76	107	8.507+02	3.137+06	5.106−04	5.720−03	7.376−04	1.200−13	1.322−01	2.152−06	3.503−16
76	108	7.868+02	0.000−00	0.000−00	0.000−00	1.596−05	2.961−15	2.581−03	7.492−09	1.391−18
76	109	7.726+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	4.539−07	1.015−16
76	110	7.515+02	1.291+07	1.093−03	1.081−02	6.977−03	5.907−13	4.486−01	1.148−06	9.719−17
76	111	7.058+02	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	0.000−00	1.884−07	3.519−17
76	112	6.910+02	6.418+05	4.594−05	4.180−04	1.550−03	1.109−13	6.549−02	1.709−09	1.223−19
76	113	6.518+02	1.846+07	1.763−03	1.514−02	6.999−03	6.687−13	3.314−01	3.348−07	3.198−17

Table 2. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric dipole (E1), magnetic quadrupole (M2) and electric octupole (E3) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E1}	f_{ij}^{E1}	S^{E1}	A_{ji}^{M2}	f_{ij}^{M2}	S^{M2}	A_{ji}^{E3}	f_{ij}^{E3}
76	114	6.229+02	7.789+06	6.797−04	5.576−03	1.670−02	1.457−12	6.303−01	3.357−06	2.930−16
76	115	6.126+02	3.048+06	8.575−05	6.918−04	2.663−02	7.492−13	3.082−01	0.000−00	0.000−00
76	116	6.085+02	0.000−00	0.000−00	0.000−00	4.371−04	4.854−14	1.957−02	1.632−07	1.812−17
76	117	6.026+02	6.762+06	3.681−04	2.921−03	5.074−03	2.762−13	1.081−01	4.260−06	2.319−16
76	118	5.892+02	9.696+06	7.570−04	5.874−03	2.379−02	1.858−12	6.799−01	1.601−06	1.250−16
76	119	5.783+02	5.077+06	2.545−04	1.938−03	4.094−04	2.053−14	7.104−03	5.166−07	2.591−17
76	120	5.776+02	3.447+01	8.619−10	6.556−09	2.201−04	5.504−15	1.898−03	0.000−00	0.000−00
76	121	5.715+02	0.000−00	0.000−00	0.000−00	9.105−03	8.916−13	2.978−01	1.501−06	1.470−16
76	122	5.627+02	1.707+05	1.216−05	9.009−05	1.681−02	1.197−12	3.817−01	7.469−06	5.319−16
76	123	5.530+02	7.721+07	3.540−03	2.578−02	6.221−04	2.852−14	8.630−03	1.485−06	6.807−17
76	124	4.861+02	2.495+08	8.839−03	5.658−02	6.361−03	2.254−13	4.633−02	1.189−09	4.213−20
76	125	4.844+02	8.377+05	4.421−05	2.820−04	1.208−01	6.373−12	1.296−00	2.135−05	1.127−15
76	126	4.755+02	7.895+06	1.338−04	8.381−04	1.159−02	1.964−13	3.780−02	0.000−00	0.000−00
76	127	4.335+02	3.047+06	8.586−05	4.901−04	4.998−01	1.408−11	2.053−00	1.623−04	4.572−15
76	128	3.965+02	6.528+06	7.691−05	4.015−04	1.137−00	1.340−11	1.494−00	0.000−00	0.000−00
76	129	3.925+02	0.000−00	0.000−00	0.000−00	1.468−02	6.781−13	7.339−02	2.739−04	1.266−14
76	130	3.748+02	5.959+09	1.882−01	9.287−01	1.175−01	3.710−12	3.494−01	4.214−05	1.331−15
76	131	3.704+02	6.926+08	1.424−02	6.946−02	6.507−01	1.338−11	1.217−00	1.107−03	2.277−14
76	132	3.460+02	1.177+10	1.056−01	4.812−01	7.391−01	6.631−12	4.913−01	0.000−00	0.000−00
76	133	3.245+02	1.571+08	2.480−03	1.060−02	6.634−02	1.047−12	6.404−02	1.001−02	1.580−13
76	134	3.174+02	9.999+09	2.265−01	9.466−01	2.931−00	6.639−11	3.798−00	3.058−03	6.927−14

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
1	4	1.471+02	6.153+05	3.991−06	1.512−01	1.349−01	8.748−13	6.363−08
1	5	1.465+02	6.300+05	6.080−06	2.277−01	0.000−00	0.000−00	0.000−00
1	8	1.685+01	2.409+05	2.050−08	1.168−06	1.533+05	1.305−08	1.087−04
1	9	1.677+01	2.070+08	2.620−05	1.473−03	0.000−00	0.000−00	0.000−00
1	11	1.675+01	4.703+08	3.958−05	2.218−03	1.194+02	1.005−11	8.327−08
1	12	1.671+01	0.000−00	0.000−00	0.000−00	6.487+04	2.717−09	2.246−05
1	13	1.668+01	3.896+08	4.877−05	2.697−03	0.000−00	0.000−00	0.000−00
1	14	1.668+01	4.392+08	3.664−05	2.026−03	7.662+03	6.392−10	5.273−06
1	15	1.661+01	0.000−00	0.000−00	0.000−00	1.011+05	4.185−09	3.439−05
1	16	1.650+01	0.000−00	0.000−00	0.000−00	2.108+02	8.607−12	7.025−08
1	17	1.648+01	2.750+08	2.239−05	1.193−03	1.176+01	9.576−13	7.803−09
1	18	1.647+01	0.000−00	0.000−00	0.000−00	5.273+03	2.144−10	1.746−06
1	19	1.644+01	8.359+08	1.016−04	5.371−03	0.000−00	0.000−00	0.000−00
1	20	1.644+01	2.204+06	1.786−07	9.450−06	1.571+05	1.273−08	1.035−04
1	21	1.642+01	1.976+08	2.396−05	1.263−03	0.000−00	0.000−00	0.000−00
1	22	1.639+01	1.118+08	9.011−06	4.729−04	3.270+04	2.635−09	2.136−05
1	23	1.620+01	0.000−00	0.000−00	0.000−00	1.751+05	6.888−09	5.518−05
1	24	1.616+01	3.305+08	2.586−05	1.299−03	3.307+03	2.588−10	2.067−06
1	25	1.599+01	0.000−00	0.000−00	0.000−00	7.354+03	2.818−10	2.229−06
1	68	1.518+01	0.000−00	0.000−00	0.000−00	1.231+01	4.252−13	3.191−09
1	69	1.516+01	2.218+04	1.528−09	6.340−08	1.536−01	1.058−14	7.933−11
1	71	1.513+01	4.603+04	4.739−09	1.955−07	0.000−00	0.000−00	0.000−00
1	77	1.507+01	1.815+06	1.855−07	7.572−06	0.000−00	0.000−00	0.000−00
1	78	1.507+01	1.018+06	6.928−08	2.822−06	5.517+01	3.754−12	2.797−08
1	80	1.505+01	9.486+05	9.661−08	3.922−06	0.000−00	0.000−00	0.000−00
1	81	1.504+01	0.000−00	0.000−00	0.000−00	5.505+02	1.866−11	1.388−07
1	83	1.500+01	0.000−00	0.000−00	0.000−00	9.962+01	3.362−12	2.495−08
1	84	1.499+01	1.045+03	7.042−11	2.829−09	3.310+02	2.232−11	1.655−07
1	86	1.498+01	1.072+05	7.215−09	2.891−07	1.726+02	1.162−11	8.610−08
1	88	1.498+01	2.054+05	2.071−08	8.286−07	0.000−00	0.000−00	0.000−00
1	89	1.497+01	7.268+05	7.329−08	2.931−06	0.000−00	0.000−00	0.000−00
1	90	1.496+01	4.279+05	2.871−08	1.145−06	3.065+01	2.057−12	1.522−08
1	92	1.495+01	5.219+04	3.496−09	1.391−07	4.261−00	2.854−13	2.110−09
1	93	1.493+01	1.048+06	1.052−07	4.173−06	0.000−00	0.000−00	0.000−00
1	95	1.492+01	2.869−00	2.874−13	1.138−11	0.000−00	0.000−00	0.000−00
1	97	1.491+01	0.000−00	0.000−00	0.000−00	4.856+01	1.619−12	1.194−08
1	98	1.489+01	1.133+06	7.533−08	2.965−06	7.716−02	5.132−15	3.780−11
1	99	1.489+01	1.074+05	1.071−08	4.212−07	0.000−00	0.000−00	0.000−00
1	100	1.488+01	3.632+06	2.410−07	9.456−06	1.744+01	1.158−12	8.518−09
1	101	1.488+01	4.104+05	4.087−08	1.604−06	0.000−00	0.000−00	0.000−00
1	102	1.485+01	1.464+06	1.453−07	5.675−06	0.000−00	0.000−00	0.000−00
1	103	1.485+01	0.000−00	0.000−00	0.000−00	9.776+01	3.233−12	2.375−08
1	104	1.484+01	2.133+05	1.409−08	5.486−07	1.072+01	7.077−13	5.194−09
1	105	1.484+01	0.000−00	0.000−00	0.000−00	1.213+03	4.002−11	2.936−07
1	107	1.482+01	2.853+05	2.819−08	1.094−06	0.000−00	0.000−00	0.000−00
1	110	1.479+01	2.888+04	1.894−09	7.300−08	3.519+01	2.308−12	1.688−08
1	112	1.476+01	4.763+04	3.113−09	1.194−07	1.759−00	1.150−13	8.396−10
1	113	1.474+01	5.524+06	5.402−07	2.063−05	0.000−00	0.000−00	0.000−00
1	114	1.473+01	9.378+05	9.151−08	3.484−06	0.000−00	0.000−00	0.000−00
1	115	1.472+01	0.000−00	0.000−00	0.000−00	1.516+03	4.928−11	3.589−07

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
1	117	1.472+01	3.192+05	2.073−08	7.873−07	4.509+02	2.929−11	2.132−07
1	118	1.471+01	3.773+06	3.672−07	1.392−05	0.000−00	0.000−00	0.000−00
1	119	1.470+01	8.992+05	5.828−08	2.207−06	1.979+01	1.283−12	9.329−09
1	120	1.470+01	0.000−00	0.000−00	0.000−00	4.706+01	1.525−12	1.109−08
1	122	1.469+01	8.094+06	7.858−07	2.969−05	0.000−00	0.000−00	0.000−00
1	123	1.469+01	2.288+06	1.480−07	5.583−06	1.536+02	9.932−12	7.214−08
1	124	1.463+01	3.842+05	2.467−08	9.206−07	5.617+01	3.606−12	2.609−08
1	125	1.463+01	6.076+05	5.850−08	2.183−06	0.000−00	0.000−00	0.000−00
1	126	1.462+01	0.000−00	0.000−00	0.000−00	2.440+02	7.823−12	5.657−08
1	127	1.458+01	4.376+06	2.789−07	1.029−05	2.241+01	1.428−12	1.030−08
1	128	1.453+01	0.000−00	0.000−00	0.000−00	2.339+03	7.407−11	5.324−07
1	130	1.450+01	5.511+05	5.213−08	1.894−06	0.000−00	0.000−00	0.000−00
1	131	1.450+01	1.130+07	7.117−07	2.583−05	9.007+01	5.675−12	4.068−08
1	132	1.446+01	0.000−00	0.000−00	0.000−00	2.944+03	9.223−11	6.594−07
1	133	1.442+01	1.682+06	1.048−07	3.740−06	3.514−00	2.190−13	1.561−09
1	134	1.440+01	1.075+06	1.003−07	3.568−06	0.000−00	0.000−00	0.000−00
2	3	4.830+03	2.032−02	1.421−10	1.907−01	7.971+01	5.575−07	1.332−00
2	6	1.832+01	9.957+06	1.002−06	7.332−05	1.364+03	1.372−10	1.243−06
2	7	1.798+01	0.000−00	0.000−00	0.000−00	3.697+01	1.792−12	1.594−08
2	26	1.672+01	2.480+08	2.079−05	1.158−03	1.072+05	8.986−09	7.431−05
2	27	1.672+01	0.000−00	0.000−00	0.000−00	2.726+04	1.142−09	9.447−06
2	28	1.670+01	1.371+07	1.719−06	9.535−05	0.000−00	0.000−00	0.000−00
2	30	1.667+01	4.081−02	3.400−15	1.877−13	1.013+04	8.441−10	6.959−06
2	31	1.663+01	4.220+08	5.251−05	2.879−03	0.000−00	0.000−00	0.000−00
2	32	1.662+01	7.152+08	5.925−05	3.241−03	1.663+03	1.378−10	1.132−06
2	33	1.662+01	0.000−00	0.000−00	0.000−00	3.126+02	1.294−11	1.064−07
2	35	1.661+01	2.608+07	3.235−06	1.765−04	0.000−00	0.000−00	0.000−00
2	36	1.648+01	0.000−00	0.000−00	0.000−00	1.278+02	5.202−12	4.239−08
2	37	1.646+01	2.366+07	1.922−06	1.022−04	8.360+03	6.794−10	5.532−06
2	38	1.646+01	0.000−00	0.000−00	0.000−00	2.726+01	1.107−12	9.010−09
2	39	1.644+01	2.105+05	1.705−08	9.020−07	8.574+02	6.946−11	5.646−07
2	41	1.640+01	1.745+08	2.112−05	1.111−03	0.000−00	0.000−00	0.000−00
2	42	1.640+01	1.849+08	2.237−05	1.176−03	0.000−00	0.000−00	0.000−00
2	43	1.640+01	1.867+08	1.505−05	7.905−04	6.242+04	5.032−09	4.080−05
2	45	1.638+01	0.000−00	0.000−00	0.000−00	1.411+05	5.673−09	4.594−05
2	46	1.637+01	2.635+05	3.174−08	1.658−06	0.000−00	0.000−00	0.000−00
2	47	1.634+01	1.908+07	1.527−06	7.931−05	8.942+03	7.156−10	5.782−06
2	48	1.633+01	1.300+06	1.039−07	5.393−06	1.851+04	1.480−09	1.195−05
2	50	1.632+01	3.006+07	3.599−06	1.862−04	0.000−00	0.000−00	0.000−00
2	51	1.631+01	5.849+07	6.998−06	3.617−04	0.000−00	0.000−00	0.000−00
2	52	1.631+01	3.390+08	2.702−05	1.395−03	4.808+04	3.832−09	3.090−05
2	53	1.630+01	0.000−00	0.000−00	0.000−00	4.966+03	1.978−10	1.594−06
2	54	1.625+01	1.624+02	1.285−11	6.561−10	9.104+02	7.203−11	5.787−07
2	55	1.622+01	0.000−00	0.000−00	0.000−00	3.582+03	1.412−10	1.132−06
2	56	1.614+01	8.960+07	6.994−06	3.500−04	7.446+03	5.812−10	4.638−06
2	58	1.611+01	1.820+07	1.416−06	7.049−05	5.319+02	4.138−11	3.296−07
2	59	1.610+01	5.456+04	6.364−09	3.166−07	0.000−00	0.000−00	0.000−00
2	60	1.609+01	1.551+07	1.806−06	8.959−05	0.000−00	0.000−00	0.000−00
2	62	1.605+01	8.885+07	1.029−05	5.071−04	0.000−00	0.000−00	0.000−00
2	63	1.605+01	0.000−00	0.000−00	0.000−00	8.237+02	3.181−11	2.525−07

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
2	64	1.601+01	0.000−00	0.000−00	0.000−00	3.446+03	1.324−10	1.049−06
2	65	1.599+01	9.639+07	7.390−06	3.600−04	5.113+03	3.920−10	3.100−06
2	66	1.595+01	1.105+07	8.433−07	4.079−05	6.577+03	5.019−10	3.960−06
2	67	1.588+01	0.000−00	0.000−00	0.000−00	2.251+02	8.509−12	6.682−08
2	70	1.583+01	6.561+07	7.396−06	3.496−04	0.000−00	0.000−00	0.000−00
2	76	1.576+01	3.405+07	2.534−06	1.181−04	2.386+04	1.776−09	1.384−05
3	6	1.839+01	5.869+06	2.974−07	4.404−05	3.280+02	1.662−11	3.023−07
3	7	1.805+01	1.839+07	4.490−07	6.291−05	1.146+03	2.798−11	4.994−07
3	26	1.678+01	1.054+08	4.446−06	5.004−04	1.772+04	7.479−10	1.241−05
3	27	1.678+01	2.869+08	6.053−06	6.812−04	1.629+05	3.438−09	5.706−05
3	28	1.676+01	7.022+03	4.433−10	4.969−08	1.964+05	1.240−08	2.055−04
3	29	1.675+01	5.112+08	4.302−05	4.820−03	0.000−00	0.000−00	0.000−00
3	30	1.673+01	5.001+07	2.098−06	2.340−04	6.642+04	2.787−09	4.611−05
3	31	1.669+01	1.582+08	9.908−06	1.098−03	1.595+02	9.990−12	1.649−07
3	32	1.668+01	3.788+08	1.580−05	1.746−03	1.472+04	6.140−10	1.013−05
3	33	1.667+01	5.225+06	1.089−07	1.203−05	1.642+03	3.423−11	5.645−07
3	34	1.667+01	3.014+07	2.511−06	2.771−04	0.000−00	0.000−00	0.000−00
3	35	1.667+01	3.803+08	2.375−05	2.619−03	1.280+03	7.994−11	1.318−06
3	36	1.653+01	9.143+07	1.873−06	2.017−04	2.811+01	5.759−13	9.416−09
3	37	1.652+01	5.968+08	2.442−05	2.623−03	4.925+02	2.015−11	3.292−07
3	38	1.651+01	1.149+05	2.348−09	2.519−07	3.031+01	6.195−13	1.012−08
3	39	1.649+01	1.233+06	5.029−08	5.375−06	5.094+02	2.078−11	3.389−07
3	41	1.646+01	1.259+07	7.668−07	8.147−05	7.603+02	4.632−11	7.541−07
3	42	1.646+01	9.455+06	5.758−07	6.115−05	8.595+02	5.235−11	8.521−07
3	43	1.645+01	3.608+05	1.464−08	1.553−06	2.365+04	9.597−10	1.562−05
3	44	1.645+01	2.063+05	1.673−08	1.774−06	0.000−00	0.000−00	0.000−00
3	45	1.643+01	3.412+06	6.906−08	7.300−06	3.541+03	7.167−11	1.165−06
3	46	1.642+01	1.475+05	8.946−09	9.439−07	6.964−00	4.223−13	6.860−09
3	47	1.639+01	9.618+07	3.875−06	4.067−04	5.196+04	2.093−09	3.394−05
3	48	1.639+01	2.576+08	1.037−05	1.087−03	8.163+04	3.286−09	5.325−05
3	49	1.638+01	1.379+04	1.109−09	1.161−07	0.000−00	0.000−00	0.000−00
3	50	1.637+01	3.074+08	1.852−05	1.936−03	1.422+04	8.572−10	1.388−05
3	51	1.636+01	7.336+08	4.418−05	4.614−03	3.364+04	2.026−09	3.279−05
3	52	1.636+01	3.277+07	1.315−06	1.372−04	5.963+04	2.393−09	3.872−05
3	53	1.635+01	1.920+08	3.850−06	4.011−04	1.840+02	3.689−12	5.967−08
3	54	1.630+01	1.129+06	4.497−08	4.640−06	8.572+03	3.414−10	5.504−06
3	55	1.627+01	4.122+08	8.180−06	8.395−04	1.896+04	3.763−10	6.055−06
3	56	1.619+01	1.066+07	4.190−07	4.235−05	2.725+02	1.071−11	1.715−07
3	57	1.616+01	1.917+08	1.501−05	1.510−03	0.000−00	0.000−00	0.000−00
3	58	1.616+01	7.487+06	2.932−07	2.948−05	1.709+03	6.691−11	1.069−06
3	59	1.616+01	3.227+03	1.895−10	1.904−08	1.676+01	9.837−13	1.572−08
3	60	1.614+01	2.136+06	1.252−07	1.255−05	8.708+02	5.103−11	8.148−07
3	61	1.613+01	1.209+06	9.433−08	9.431−06	0.000−00	0.000−00	0.000−00
3	62	1.610+01	2.394+06	1.396−07	1.389−05	1.613+03	9.407−11	1.498−06
3	63	1.610+01	4.189+08	8.143−06	8.100−04	1.487+05	2.890−09	4.603−05
3	64	1.607+01	5.771+07	1.117−06	1.103−04	4.867+03	9.416−11	1.496−06
3	65	1.604+01	1.749+08	6.751−06	6.642−04	2.726+04	1.052−09	1.669−05
3	66	1.601+01	2.211+07	8.491−07	8.295−05	2.420+04	9.293−10	1.471−05
3	67	1.593+01	6.049+06	1.151−07	1.109−05	2.195+04	4.177−10	6.582−06
3	70	1.588+01	1.087+08	6.166−06	5.886−04	1.005+03	5.704−11	8.960−07

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
3	76	1.581+01	6.274+05	2.351−08	2.212−06	9.458+03	3.543−10	5.540−06
4	5	3.659+04	1.612−07	4.853−14	5.666−02	2.200−01	6.624−08	2.398−00
4	8	1.903+01	2.410+04	1.308−09	2.148−07	7.511−00	4.077−13	7.674−09
4	9	1.893+01	3.695+04	2.978−09	4.815−07	1.518+02	1.224−11	2.291−07
4	10	1.891+01	1.134+02	1.216−11	1.959−09	0.000−00	0.000−00	0.000−00
4	11	1.891+01	1.486+06	7.964−08	1.283−05	3.911+01	2.097−12	3.921−08
4	12	1.886+01	2.468+06	6.580−08	1.051−05	3.257+01	8.681−13	1.619−08
4	13	1.882+01	1.973+05	1.571−08	2.494−06	4.134−00	3.291−13	6.125−09
4	14	1.882+01	3.721+05	1.975−08	3.134−06	4.374+01	2.321−12	4.320−08
4	15	1.873+01	3.525+06	9.271−08	1.452−05	3.258−00	8.569−14	1.588−09
4	16	1.859+01	1.828+05	4.735−09	7.248−07	1.596+02	4.135−12	7.603−08
4	17	1.856+01	1.062+06	5.480−08	8.341−06	1.165+02	6.011−12	1.103−07
4	18	1.854+01	9.345+06	2.409−07	3.660−05	5.671−00	1.462−13	2.681−09
4	19	1.850+01	2.957+05	2.277−08	3.436−06	1.055+03	8.126−11	1.487−06
4	20	1.851+01	1.101+04	5.655−10	8.540−08	1.498+01	7.691−13	1.408−08
4	21	1.848+01	1.079+06	8.289−08	1.246−05	2.786+02	2.140−11	3.911−07
4	22	1.845+01	4.654+06	2.375−07	3.553−05	8.880+01	4.532−12	8.270−08
4	23	1.820+01	4.646+05	1.154−08	1.658−06	1.024+01	2.544−13	4.580−09
4	24	1.815+01	5.985+05	2.955−08	4.208−06	1.162+02	5.740−12	1.030−07
4	25	1.794+01	2.002+04	4.828−10	6.641−08	8.100−01	1.954−14	3.467−10
4	68	1.692+01	7.709+06	1.655−07	1.911−05	1.656+05	3.555−09	5.949−05
4	69	1.690+01	1.009+07	4.319−07	4.967−05	1.003+05	4.295−09	7.180−05
4	71	1.686+01	1.887+03	1.207−10	1.379−08	3.696+04	2.364−09	3.942−05
4	72	1.683+01	2.290+08	1.944−05	2.206−03	0.000−00	0.000−00	0.000−00
4	74	1.682+01	2.532+08	2.147−05	2.432−03	0.000−00	0.000−00	0.000−00
4	77	1.680+01	2.374+08	1.506−05	1.700−03	5.289+04	3.356−09	5.575−05
4	78	1.678+01	2.191+08	9.255−06	1.043−03	1.071+04	4.522−10	7.507−06
4	79	1.677+01	3.149+05	2.654−08	2.980−06	0.000−00	0.000−00	0.000−00
4	80	1.676+01	9.288+06	5.870−07	6.588−05	1.398+03	8.832−11	1.464−06
4	81	1.675+01	2.777+08	5.840−06	6.538−04	1.025+03	2.156−11	3.572−07
4	82	1.673+01	2.410+08	2.022−05	2.255−03	0.000−00	0.000−00	0.000−00
4	83	1.671+01	1.413+07	2.958−07	3.287−05	5.105+03	1.068−10	1.765−06
4	84	1.670+01	5.043+06	2.108−07	2.338−05	2.348+03	9.814−11	1.621−06
4	86	1.668+01	7.807+06	3.258−07	3.604−05	2.259+04	9.427−10	1.556−05
4	87	1.668+01	2.121+05	1.769−08	1.956−06	0.000−00	0.000−00	0.000−00
4	88	1.667+01	3.014+05	1.884−08	2.080−06	1.965+04	1.229−09	2.026−05
4	89	1.667+01	3.864+07	2.415−06	2.665−04	3.262+04	2.039−09	3.362−05
4	90	1.665+01	4.512+05	1.876−08	2.065−06	4.037+02	1.679−11	2.765−07
4	92	1.664+01	9.762+07	4.052−06	4.447−04	2.513+04	1.043−09	1.717−05
4	93	1.662+01	7.018+06	4.360−07	4.771−05	4.399+03	2.734−10	4.494−06
4	94	1.662+01	5.555+07	4.598−06	5.026−04	0.000−00	0.000−00	0.000−00
4	95	1.661+01	5.100+08	3.164−05	3.453−03	2.626+03	1.629−10	2.676−06
4	96	1.660+01	3.081+07	2.546−06	2.776−04	0.000−00	0.000−00	0.000−00
4	97	1.659+01	4.542+07	9.374−07	1.021−04	2.437+02	5.031−12	8.258−08
4	98	1.657+01	4.673+08	1.924−05	2.086−03	3.632+02	1.496−11	2.452−07
4	99	1.657+01	5.589+06	3.449−07	3.737−05	2.015+03	1.244−10	2.038−06
4	100	1.655+01	1.891+07	7.767−07	8.392−05	6.341+02	2.605−11	4.264−07
4	101	1.655+01	6.484+06	3.995−07	4.318−05	1.359+02	8.373−12	1.371−07
4	102	1.652+01	7.469+07	4.586−06	4.929−04	4.884+04	2.999−09	4.901−05
4	103	1.652+01	7.715+07	1.579−06	1.696−04	3.334+03	6.821−11	1.115−06

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
4	104	1.651+01	1.474+07	6.021−07	6.452−05	4.068+04	1.662−09	2.713−05
4	105	1.650+01	4.032+08	8.227−06	8.805−04	2.819+01	5.753−13	9.389−09
4	106	1.650+01	2.724+08	2.224−05	2.380−03	0.000−00	0.000−00	0.000−00
4	107	1.649+01	1.096+08	6.699−06	7.150−04	3.166+04	1.935−09	3.154−05
4	108	1.646+01	8.545+06	6.941−07	7.373−05	0.000−00	0.000−00	0.000−00
4	110	1.644+01	4.827+06	1.957−07	2.072−05	5.093+02	2.064−11	3.358−07
4	112	1.641+01	5.439+07	2.196−06	2.313−04	3.016+03	1.218−10	1.977−06
4	113	1.639+01	2.475+08	1.495−05	1.568−03	3.979+03	2.403−10	3.896−06
4	114	1.637+01	2.559+07	1.542−06	1.611−04	1.621+04	9.766−10	1.581−05
4	115	1.636+01	3.152+08	6.326−06	6.602−04	9.942+03	1.995−10	3.229−06
4	116	1.636+01	1.565+08	1.256−05	1.310−03	0.000−00	0.000−00	0.000−00
4	117	1.635+01	9.850+06	3.950−07	4.117−05	6.671+03	2.675−10	4.327−06
4	118	1.634+01	1.312+05	7.883−09	8.201−07	9.856+03	5.921−10	9.572−06
4	119	1.634+01	1.186+08	4.745−06	4.928−04	1.138+05	4.554−09	7.359−05
4	120	1.634+01	1.259+08	2.518−06	2.616−04	1.443+05	2.886−09	4.663−05
4	121	1.633+01	1.913+08	1.529−05	1.587−03	0.000−00	0.000−00	0.000−00
4	122	1.632+01	2.250+08	1.348−05	1.397−03	1.999+04	1.198−09	1.934−05
4	123	1.632+01	2.064+08	8.236−06	8.521−04	4.132+03	1.649−10	2.661−06
4	124	1.625+01	1.030+08	4.077−06	4.168−04	4.244+02	1.680−11	2.700−07
4	125	1.625+01	8.146+06	4.836−07	4.941−05	1.990+02	1.181−11	1.898−07
4	126	1.624+01	7.403+07	1.463−06	1.492−04	2.202+04	4.353−10	6.990−06
4	127	1.618+01	1.794+08	7.044−06	7.113−04	2.544+04	9.990−10	1.599−05
4	128	1.613+01	2.466+08	4.807−06	4.804−04	7.254+03	1.414−10	2.256−06
4	129	1.612+01	1.324+08	1.032−05	1.030−03	0.000−00	0.000−00	0.000−00
4	130	1.609+01	1.087+08	6.327−06	6.279−04	6.234+04	3.629−09	5.776−05
4	131	1.608+01	1.202+08	4.662−06	4.619−04	2.474+02	9.592−12	1.526−07
4	132	1.603+01	5.326+07	1.026−06	1.007−04	7.368+01	1.420−12	2.251−08
4	133	1.598+01	5.040+06	1.930−07	1.878−05	1.194+03	4.575−11	7.232−07
4	134	1.597+01	2.153+07	1.234−06	1.197−04	1.202+04	6.888−10	1.088−05
5	8	1.904+01	4.076+04	1.477−09	3.642−07	5.556−00	2.013−13	5.686−09
5	9	1.894+01	1.978+05	1.064−08	2.584−06	1.031+01	5.548−13	1.559−08
5	10	1.892+01	1.242+03	8.890−11	2.152−08	2.375+02	1.700−11	4.772−07
5	11	1.892+01	4.324+04	1.547−09	3.743−07	1.478+01	5.289−13	1.484−08
5	12	1.887+01	2.081+04	3.702−10	8.886−08	0.000−00	0.000−00	0.000−00
5	13	1.883+01	8.700+05	4.623−08	1.102−05	9.687+01	5.147−12	1.438−07
5	14	1.883+01	1.551+06	5.494−08	1.310−05	1.385+01	4.905−13	1.370−08
5	15	1.874+01	7.955+06	1.396−07	3.285−05	0.000−00	0.000−00	0.000−00
5	16	1.860+01	3.031+05	5.241−09	1.205−06	0.000−00	0.000−00	0.000−00
5	17	1.856+01	5.298+04	1.825−09	4.172−07	1.144−00	3.941−14	1.086−09
5	18	1.855+01	3.940+06	6.777−08	1.547−05	0.000−00	0.000−00	0.000−00
5	19	1.851+01	1.040+06	5.343−08	1.211−05	1.205+02	6.190−12	1.700−07
5	20	1.852+01	1.864+05	6.386−09	1.449−06	3.374+01	1.156−12	3.176−08
5	21	1.849+01	4.344+06	2.226−07	5.030−05	1.587+02	8.133−12	2.231−07
5	22	1.846+01	2.152+06	7.327−08	1.647−05	4.326−01	1.473−14	4.035−10
5	23	1.821+01	7.036+06	1.166−07	2.518−05	0.000−00	0.000−00	0.000−00
5	24	1.816+01	4.223+06	1.392−07	2.977−05	1.386+03	4.566−11	1.230−06
5	25	1.795+01	1.326+06	2.134−08	4.409−06	0.000−00	0.000−00	0.000−00
5	68	1.693+01	4.398+06	6.300−08	1.093−05	0.000−00	0.000−00	0.000−00
5	69	1.691+01	1.412+06	4.033−08	6.967−06	3.409+04	9.739−10	2.443−05
5	71	1.687+01	7.524+06	3.211−07	5.511−05	6.011+04	2.565−09	6.421−05

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
5	72	1.683+01	4.916+06	2.785−07	4.748−05	3.104+04	1.758−09	4.391−05
5	73	1.683+01	2.235+08	1.581−05	2.693−03	0.000−00	0.000−00	0.000−00
5	74	1.682+01	1.325+07	7.497−07	1.276−04	4.548+04	2.573−09	6.423−05
5	77	1.681+01	1.820+07	7.706−07	1.307−04	3.746+04	1.586−09	3.954−05
5	78	1.679+01	4.537+07	1.279−06	2.164−04	4.786+04	1.349−09	3.360−05
5	79	1.677+01	1.084+08	6.097−06	1.028−03	9.213+03	5.182−10	1.289−05
5	80	1.677+01	1.401+08	5.909−06	9.962−04	6.523+03	2.751−10	6.844−06
5	81	1.676+01	7.933+07	1.113−06	1.872−04	0.000−00	0.000−00	0.000−00
5	82	1.674+01	4.029+08	2.256−05	3.779−03	5.773+02	3.232−11	8.026−07
5	83	1.672+01	5.266+07	7.353−07	1.227−04	0.000−00	0.000−00	0.000−00
5	84	1.670+01	1.711+05	4.772−09	7.950−07	4.440+03	1.238−10	3.069−06
5	85	1.671+01	4.301+08	2.999−05	4.998−03	0.000−00	0.000−00	0.000−00
5	86	1.669+01	1.201+08	3.343−06	5.556−04	2.505+02	6.975−12	1.727−07
5	87	1.669+01	7.232+07	4.025−06	6.685−04	6.882+04	3.831−09	9.484−05
5	88	1.668+01	2.356+07	9.829−07	1.630−04	1.398+04	5.831−10	1.443−05
5	89	1.668+01	3.233+07	1.348−06	2.235−04	1.832+03	7.638−11	1.890−06
5	90	1.666+01	4.269+07	1.184−06	1.958−04	2.960+01	8.212−13	2.030−08
5	91	1.665+01	1.267+06	8.775−08	1.447−05	0.000−00	0.000−00	0.000−00
5	92	1.665+01	1.581+07	4.377−07	7.216−05	1.561+04	4.323−10	1.068−05
5	93	1.663+01	7.223+07	2.995−06	4.922−04	2.748+04	1.139−09	2.810−05
5	94	1.662+01	2.466+08	1.362−05	2.236−03	1.417+01	7.830−13	1.931−08
5	95	1.662+01	9.937+07	4.113−06	6.743−04	6.031+01	2.496−12	6.154−08
5	96	1.661+01	1.656+07	9.135−07	1.496−04	1.084+04	5.976−10	1.473−05
5	97	1.660+01	3.447+06	4.748−08	7.765−06	0.000−00	0.000−00	0.000−00
5	98	1.658+01	1.094+08	3.007−06	4.897−04	2.442+02	6.710−12	1.650−07
5	99	1.657+01	3.592+08	1.479−05	2.407−03	4.025+03	1.658−10	4.076−06
5	100	1.656+01	2.165+08	5.934−06	9.630−04	9.554+03	2.619−10	6.434−06
5	101	1.656+01	1.234+07	5.072−07	8.233−05	1.108+03	4.554−11	1.119−06
5	102	1.653+01	6.118+06	2.507−07	4.047−05	4.205+03	1.723−10	4.225−06
5	103	1.653+01	5.070+08	6.921−06	1.117−03	0.000−00	0.000−00	0.000−00
5	104	1.651+01	3.707+08	1.010−05	1.626−03	4.168+04	1.136−09	2.783−05
5	105	1.651+01	2.810+08	3.826−06	6.151−04	0.000−00	0.000−00	0.000−00
5	106	1.651+01	3.200+06	1.743−07	2.803−05	2.481+02	1.352−11	3.310−07
5	107	1.649+01	6.536+07	2.665−06	4.273−04	1.277+03	5.207−11	1.274−06
5	108	1.647+01	1.655+08	8.970−06	1.431−03	1.620+05	8.780−09	2.145−04
5	109	1.646+01	6.661+08	4.509−05	7.187−03	0.000−00	0.000−00	0.000−00
5	110	1.645+01	6.854+07	1.854−06	2.949−04	7.809+03	2.112−10	5.155−06
5	111	1.643+01	2.433+08	1.641−05	2.599−03	0.000−00	0.000−00	0.000−00
5	112	1.642+01	4.805+07	1.295−06	2.048−04	8.368+02	2.255−11	5.492−07
5	113	1.640+01	9.674+06	3.899−07	6.141−05	5.910+02	2.382−11	5.794−07
5	114	1.638+01	2.975+08	1.196−05	1.877−03	6.796+03	2.733−10	6.639−06
5	115	1.637+01	7.740+07	1.036−06	1.625−04	0.000−00	0.000−00	0.000−00
5	116	1.637+01	1.914+05	1.025−08	1.605−06	2.007+01	1.074−12	2.609−08
5	117	1.636+01	1.126+08	3.013−06	4.717−04	1.663+04	4.450−10	1.080−05
5	118	1.635+01	4.617+07	1.851−06	2.892−04	6.172+04	2.474−09	6.002−05
5	119	1.634+01	1.983+07	5.295−07	8.261−05	3.638+04	9.712−10	2.355−05
5	120	1.634+01	3.118+07	4.162−07	6.492−05	0.000−00	0.000−00	0.000−00
5	121	1.634+01	3.904+08	2.083−05	3.247−03	2.890+04	1.542−09	3.738−05
5	122	1.633+01	7.667+07	3.065−06	4.771−04	3.675+04	1.469−09	3.560−05
5	123	1.632+01	1.432+08	3.813−06	5.926−04	2.557+04	6.810−10	1.649−05

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i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
5	124	1.626+01	9.658+06	2.551−07	3.917−05	2.857+04	7.547−10	1.820−05
5	125	1.625+01	3.533+08	1.399−05	2.148−03	7.218+04	2.859−09	6.895−05
5	126	1.624+01	4.629+08	6.104−06	9.350−04	0.000−00	0.000−00	0.000−00
5	127	1.619+01	2.764+08	7.241−06	1.098−03	8.166+03	2.139−10	5.139−06
5	128	1.613+01	2.599+07	3.381−07	5.075−05	0.000−00	0.000−00	0.000−00
5	129	1.613+01	2.085+08	1.084−05	1.625−03	3.325+03	1.729−10	4.137−06
5	130	1.610+01	7.646+05	2.970−08	4.427−06	2.021+04	7.849−10	1.875−05
5	131	1.609+01	5.240+07	1.355−06	2.017−04	7.154+04	1.851−09	4.417−05
5	132	1.604+01	8.231+07	1.058−06	1.560−04	0.000−00	0.000−00	0.000−00
5	133	1.599+01	2.452+07	6.267−07	9.156−05	7.474+03	1.910−10	4.531−06
5	134	1.597+01	1.348+04	5.155−10	7.508−08	1.267+03	4.847−11	1.149−06
6	7	9.880+02	7.376−01	5.397−11	1.240−03	1.858+04	1.359−06	1.329−00
6	26	1.920+02	4.057+04	2.241−07	3.778−02	6.071−00	3.354−11	6.369−06
6	27	1.919+02	6.575+04	1.815−07	3.054−02	1.494−00	4.123−12	7.825−07
6	28	1.890+02	9.362+03	7.521−08	1.210−02	8.379+01	6.731−10	1.258−04
6	29	1.887+02	1.176+05	1.256−06	2.009−01	0.000−00	0.000−00	0.000−00
6	30	1.856+02	5.409+04	2.793−07	4.255−02	1.525+01	7.874−11	1.445−05
6	31	1.811+02	1.223+05	9.018−07	1.275−01	3.953+01	2.913−10	5.217−05
6	32	1.796+02	4.128+02	1.996−09	2.756−04	9.894+01	4.786−10	8.502−05
6	33	1.791+02	1.564+04	3.762−08	5.150−03	1.015+02	2.442−10	4.327−05
6	34	1.786+02	8.146+03	7.789−08	1.057−02	0.000−00	0.000−00	0.000−00
6	35	1.780+02	1.465+04	1.044−07	1.402−02	2.259+01	1.609−10	2.834−05
6	36	1.640+02	5.333+04	1.075−07	1.130−02	3.802+01	7.665−11	1.243−05
6	37	1.627+02	6.133+04	2.435−07	2.500−02	4.938−00	1.960−11	3.156−06
6	38	1.621+02	1.489+02	2.934−10	2.979−05	3.322−01	6.544−13	1.049−07
6	39	1.602+02	2.921+01	1.124−10	1.102−05	8.272−01	3.183−12	5.045−07
6	41	1.571+02	1.426+03	7.916−09	7.315−04	5.852−01	3.248−12	5.048−07
6	42	1.569+02	1.192+03	6.594−09	6.063−04	1.835−00	1.015−11	1.575−06
6	43	1.565+02	2.365+03	8.683−09	7.926−04	4.135−00	1.518−11	2.349−06
6	44	1.560+02	3.681+01	2.685−10	2.426−05	0.000−00	0.000−00	0.000−00
6	45	1.546+02	2.114+03	3.788−09	3.336−04	8.064−01	1.445−12	2.210−07
6	46	1.538+02	4.194+01	2.230−10	1.932−05	4.308−02	2.291−13	3.484−08
6	47	1.512+02	5.570+02	1.910−09	1.574−04	1.863−00	6.388−12	9.556−07
6	48	1.506+02	8.099+03	2.755−08	2.244−03	2.773−00	9.433−12	1.405−06
6	49	1.499+02	2.769+01	1.866−10	1.499−05	0.000−00	0.000−00	0.000−00
6	50	1.493+02	2.548+03	1.277−08	1.012−03	1.106−00	5.544−12	8.186−07
6	51	1.489+02	1.828+03	9.111−09	7.165−04	1.019−02	5.082−14	7.484−09
6	52	1.485+02	2.997+04	9.907−08	7.728−03	2.475−00	8.181−12	1.202−06
6	53	1.479+02	2.116+05	3.469−07	2.673−02	1.297+01	2.126−11	3.110−06
6	54	1.436+02	5.932+04	1.835−07	1.295−02	5.881−02	1.819−13	2.584−08
6	55	1.414+02	2.862+05	4.291−07	2.893−02	6.217+01	9.322−11	1.304−05
6	56	1.355+02	3.747+05	1.031−06	6.113−02	1.113−01	3.062−13	4.104−08
6	57	1.337+02	1.271+06	6.812−06	3.877−01	0.000−00	0.000−00	0.000−00
6	58	1.336+02	3.570+04	9.546−08	5.419−03	6.203−01	1.659−12	2.191−07
6	59	1.333+02	2.546+02	1.017−09	5.745−05	3.155−00	1.261−11	1.663−06
6	60	1.323+02	2.514+05	9.901−07	5.465−02	6.586−01	2.593−12	3.394−07
6	61	1.314+02	8.960+03	4.641−08	2.510−03	0.000−00	0.000−00	0.000−00
6	62	1.298+02	1.150+06	4.356−06	2.267−01	5.623−00	2.129−11	2.732−06
6	63	1.297+02	2.588+05	3.261−07	1.694−02	3.114−01	3.925−13	5.034−08
6	64	1.272+02	3.295+04	3.998−08	1.962−03	8.475−01	1.028−12	1.294−07

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
6	65	1.259+02	2.563+05	6.096−07	2.902−02	6.397−00	1.521−11	1.895−06
6	66	1.236+02	7.199+05	1.650−06	7.430−02	4.357−00	9.984−12	1.221−06
6	67	1.194+02	7.540+05	8.054−07	3.264−02	1.751+02	1.870−10	2.208−05
6	70	1.167+02	3.540+04	1.084−07	4.100−03	2.368−00	7.250−12	8.367−07
6	76	1.127+02	2.841+04	5.411−08	1.846−03	1.011+01	1.925−11	2.146−06
7	26	2.383+02	7.883+02	1.342−08	2.162−03	7.565−00	1.288−10	1.517−05
7	27	2.381+02	0.000−00	0.000−00	0.000−00	8.974−01	7.629−12	8.985−07
7	28	2.337+02	2.818−00	6.922−11	1.053−05	0.000−00	0.000−00	0.000−00
7	30	2.285+02	9.404+01	1.473−09	2.094−04	1.965−02	3.077−13	3.478−08
7	31	2.217+02	6.308+02	1.394−08	1.809−03	0.000−00	0.000−00	0.000−00
7	32	2.195+02	4.630+01	6.691−10	8.433−05	1.549−00	2.239−11	2.430−06
7	33	2.188+02	0.000−00	0.000−00	0.000−00	1.019+01	7.310−11	7.909−06
7	35	2.171+02	3.179+02	6.740−09	8.218−04	0.000−00	0.000−00	0.000−00
7	36	1.966+02	0.000−00	0.000−00	0.000−00	6.371−00	3.693−11	3.591−06
7	37	1.948+02	1.000+04	1.138−07	1.003−02	1.328+01	1.511−10	1.456−05
7	38	1.939+02	0.000−00	0.000−00	0.000−00	3.230−00	1.822−11	1.747−06
7	39	1.912+02	1.022+03	1.120−08	9.335−04	2.151−01	2.358−12	2.230−07
7	41	1.868+02	5.744+04	9.017−07	7.005−02	0.000−00	0.000−00	0.000−00
7	42	1.865+02	5.903+04	9.231−07	7.128−02	0.000−00	0.000−00	0.000−00
7	43	1.859+02	4.483+04	4.647−07	3.557−02	3.463+01	3.590−10	3.301−05
7	45	1.833+02	0.000−00	0.000−00	0.000−00	1.428+02	7.192−10	6.519−05
7	46	1.821+02	1.072+02	1.598−09	1.150−04	0.000−00	0.000−00	0.000−00
7	47	1.786+02	5.495+03	5.254−08	3.563−03	6.337−00	6.059−11	5.350−06
7	48	1.777+02	3.031+03	2.871−08	1.920−03	1.032+01	9.772−11	8.589−06
7	50	1.759+02	2.698+03	3.752−08	2.430−03	0.000−00	0.000−00	0.000−00
7	51	1.753+02	1.076+04	1.487−07	9.543−03	0.000−00	0.000−00	0.000−00
7	52	1.748+02	6.270+04	5.742−07	3.650−02	3.417+01	3.129−10	2.704−05
7	53	1.739+02	0.000−00	0.000−00	0.000−00	1.247−00	5.654−12	4.863−07
7	54	1.681+02	8.946+02	7.577−09	4.285−04	2.612−00	2.212−11	1.839−06
7	55	1.651+02	0.000−00	0.000−00	0.000−00	6.346−01	2.592−12	2.116−07
7	56	1.570+02	5.250+04	3.882−07	1.791−02	5.839+01	4.317−10	3.353−05
7	58	1.544+02	1.457+04	1.042−07	4.573−03	3.319−00	2.373−11	1.813−06
7	59	1.541+02	1.198−00	1.280−11	5.583−07	0.000−00	0.000−00	0.000−00
7	60	1.528+02	7.303+02	7.668−09	3.258−04	0.000−00	0.000−00	0.000−00
7	62	1.494+02	1.259+04	1.264−07	5.018−03	0.000−00	0.000−00	0.000−00
7	63	1.492+02	0.000−00	0.000−00	0.000−00	4.546−01	1.518−12	1.121−07
7	64	1.461+02	0.000−00	0.000−00	0.000−00	4.733−02	1.514−13	1.093−08
7	65	1.444+02	8.584+04	5.363−07	1.922−02	3.025+01	1.890−10	1.349−05
7	66	1.413+02	6.222+04	3.726−07	1.253−02	5.956−00	3.567−11	2.493−06
7	67	1.358+02	0.000−00	0.000−00	0.000−00	1.590−00	4.395−12	2.951−07
7	70	1.323+02	1.320+06	1.039−05	2.866−01	0.000−00	0.000−00	0.000−00
7	76	1.272+02	1.302+06	6.321−06	1.551−01	5.131+01	2.491−10	1.567−05
8	9	3.710+03	1.923−02	5.950−11	7.236−02	3.217+01	9.956−08	3.653−01
8	10	3.061+03	1.524−01	4.281−10	2.925−01	0.000−00	0.000−00	0.000−00
8	11	2.982+03	1.271−02	1.694−11	1.069−02	1.971+01	2.627−08	7.747−02
8	12	2.087+03	2.765−02	9.025−12	1.954−03	2.953+02	9.640−08	1.990−01
8	13	1.684+03	2.232−02	1.424−11	1.620−03	3.310+02	2.111−07	3.515−01
8	14	1.672+03	3.599−03	1.509−12	1.681−04	2.056+01	8.619−09	1.426−02
8	15	1.198+03	1.142−01	1.228−11	5.032−04	1.242+03	1.337−07	1.584−01
8	16	8.069+02	1.286−00	6.277−11	7.857−04	7.224+02	3.526−08	2.814−02

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
8	17	7.447+02	2.045−00	1.701−10	1.674−03	8.413+02	6.995−08	5.152−02
8	18	7.272+02	1.279−01	5.072−12	4.647−05	1.015+04	4.025−07	2.895−01
8	19	6.696+02	3.395−00	3.423−10	2.448−03	4.788+01	4.828−09	3.197−03
8	20	6.740+02	1.387−01	9.444−12	6.889−05	2.936+03	1.999−07	1.333−01
8	21	6.413+02	2.120−01	1.960−11	1.232−04	4.225+02	3.908−08	2.479−02
8	22	6.062+02	2.794−01	1.539−11	8.171−05	1.413+03	7.786−08	4.668−02
8	23	4.194+02	8.120−02	1.071−12	1.882−06	1.134+03	1.495−08	6.202−03
8	24	3.918+02	4.985−01	1.147−11	1.644−05	8.140+01	1.873−09	7.260−04
8	25	3.132+02	3.309−01	2.433−12	1.780−06	4.003+03	2.942−08	9.114−03
8	68	1.528+02	4.937+05	8.644−07	7.353−02	1.711−00	2.996−12	4.529−07
8	69	1.510+02	4.598+05	1.572−06	1.290−01	1.582−00	5.408−12	8.077−07
8	71	1.482+02	4.244+05	2.097−06	1.626−01	1.542−01	7.618−13	1.117−07
8	72	1.454+02	2.053+05	1.301−06	9.519−02	0.000−00	0.000−00	0.000−00
8	74	1.446+02	2.446+05	1.534−06	1.105−01	0.000−00	0.000−00	0.000−00
8	77	1.432+02	3.055+01	1.409−10	9.853−06	4.924−02	2.270−13	3.215−08
8	78	1.423+02	9.525+03	2.892−08	1.986−03	2.135−00	6.482−12	9.125−07
8	79	1.410+02	5.453+03	3.249−08	2.168−03	0.000−00	0.000−00	0.000−00
8	80	1.408+02	7.024+03	3.131−08	2.082−03	4.812−03	2.145−14	2.987−09
8	81	1.398+02	2.900+04	4.249−08	2.766−03	5.932−04	8.692−16	1.202−10
8	82	1.383+02	1.411+03	8.097−09	5.107−04	0.000−00	0.000−00	0.000−00
8	83	1.370+02	9.300+03	1.308−08	8.016−04	4.264−02	5.999−14	8.128−09
8	84	1.362+02	1.285+04	3.577−08	2.156−03	2.767−01	7.701−13	1.038−07
8	86	1.354+02	6.098+04	1.675−07	9.897−03	4.477−00	1.230−11	1.646−06
8	87	1.351+02	2.079+05	1.138−06	6.686−02	0.000−00	0.000−00	0.000−00
8	88	1.346+02	1.032+05	4.204−07	2.443−02	7.555−01	3.078−12	4.099−07
8	89	1.345+02	8.228+04	3.347−07	1.940−02	1.133−01	4.610−13	6.132−08
8	90	1.334+02	2.275+04	6.069−08	3.432−03	2.947−01	7.861−13	1.037−07
8	92	1.324+02	6.431+04	1.691−07	9.358−03	5.417−01	1.424−12	1.866−07
8	93	1.314+02	5.958+04	2.314−07	1.251−02	2.313−02	8.984−14	1.168−08
8	94	1.310+02	4.702+03	2.421−08	1.298−03	0.000−00	0.000−00	0.000−00
8	95	1.306+02	1.091+04	4.182−08	2.217−03	1.603−02	6.144−14	7.934−09
8	96	1.302+02	2.346+04	1.192−07	6.260−03	0.000−00	0.000−00	0.000−00
8	97	1.297+02	7.983+04	1.006−07	5.231−03	1.779−00	2.243−12	2.877−07
8	98	1.284+02	5.257+03	1.299−08	6.546−04	1.694−01	4.186−13	5.315−08
8	99	1.280+02	1.211+03	4.462−09	2.230−04	3.360−01	1.238−12	1.568−07
8	100	1.272+02	9.186+03	2.227−08	1.092−03	1.064−00	2.580−12	3.246−07
8	101	1.272+02	6.013+02	2.189−09	1.074−04	5.564−03	2.026−14	2.549−09
8	102	1.255+02	1.332+03	4.717−09	2.222−04	2.124−02	7.525−14	9.341−09
8	103	1.254+02	1.232+04	1.452−08	6.813−04	3.115+01	3.669−11	4.550−06
8	104	1.245+02	7.684+01	1.786−10	8.216−06	3.755−01	8.728−13	1.075−07
8	105	1.241+02	4.909+02	5.670−10	2.584−05	4.944−00	5.711−12	7.012−07
8	106	1.242+02	2.791+02	1.290−09	5.886−05	0.000−00	0.000−00	0.000−00
8	107	1.233+02	2.529+03	8.647−09	3.863−04	4.744−03	1.622−14	1.979−09
8	108	1.219+02	6.762+02	3.012−09	1.299−04	0.000−00	0.000−00	0.000−00
8	110	1.210+02	1.561+04	3.426−08	1.446−03	1.519+01	3.335−11	3.991−06
8	112	1.193+02	1.067+03	2.278−09	9.217−05	9.148−01	1.952−12	2.304−07
8	113	1.181+02	9.365+02	2.937−09	1.152−04	8.013−01	2.513−12	2.935−07
8	114	1.171+02	9.452+03	2.915−08	1.115−03	3.073−01	9.478−13	1.098−07
8	115	1.167+02	3.553−00	3.629−12	1.376−07	1.441−02	1.472−14	1.699−09
8	116	1.166+02	2.949−00	1.202−11	4.538−07	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
8	117	1.164+02	2.770+03	5.624−09	2.112−04	2.102−01	4.267−13	4.912−08
8	118	1.159+02	1.864+02	5.626−10	2.085−05	2.198−02	6.635−14	7.603−09
8	119	1.154+02	1.438+01	2.873−11	1.053−06	1.706−00	3.407−12	3.890−07
8	120	1.154+02	7.268+01	7.255−11	2.657−06	2.989−01	2.984−13	3.407−08
8	121	1.152+02	2.843+03	1.131−08	4.114−04	0.000−00	0.000−00	0.000−00
8	122	1.148+02	2.523+02	7.476−10	2.695−05	2.644−01	7.835−13	8.897−08
8	123	1.144+02	1.412+03	2.769−09	9.876−05	9.207−00	1.806−11	2.043−06
8	124	1.112+02	1.014+03	1.882−09	6.168−05	1.689+01	3.132−11	3.446−06
8	125	1.111+02	1.805+02	5.013−10	1.639−05	6.127−01	1.702−12	1.871−07
8	126	1.107+02	1.912+03	1.755−09	5.666−05	2.009+01	1.844−11	2.018−06
8	127	1.082+02	1.310+01	2.300−11	6.945−07	3.521+01	6.183−11	6.618−06
8	128	1.058+02	3.069+01	2.573−11	7.250−07	5.410−00	4.535−12	4.744−07
8	129	1.055+02	6.215+01	2.073−10	5.795−06	0.000−00	0.000−00	0.000−00
8	130	1.041+02	9.617+02	2.346−09	6.312−05	1.172−01	2.857−13	2.943−08
8	131	1.038+02	5.245+01	8.473−11	2.258−06	1.653+01	2.670−11	2.741−06
8	132	1.018+02	1.865+02	1.449−10	3.640−06	2.540+01	1.973−11	1.986−06
8	133	9.985+01	1.335+02	1.995−10	4.731−06	1.486−02	2.221−14	2.193−09
8	134	9.916+01	7.258+01	1.605−10	3.728−06	2.450−01	5.418−13	5.314−08
9	10	1.751+04	1.836−05	1.125−12	2.158−01	2.977−00	1.824−07	4.739−00
9	11	1.519+04	1.311−05	3.024−13	3.789−02	8.988−00	2.073−07	4.674−00
9	12	4.770+03	1.192−02	1.356−11	5.258−02	0.000−00	0.000−00	0.000−00
9	13	3.084+03	1.355−01	1.932−10	2.025−01	9.973+01	1.422−07	6.506−01
9	14	3.045+03	1.214−02	1.125−11	1.135−02	2.782+01	2.577−08	1.164−01
9	15	1.769+03	4.309−01	6.741−11	1.335−02	0.000−00	0.000−00	0.000−00
9	16	1.031+03	6.653−01	3.536−11	1.386−03	0.000−00	0.000−00	0.000−00
9	17	9.318+02	7.669−01	6.654−11	1.924−03	1.247+04	1.082−06	1.496−00
9	18	9.045+02	9.824−00	4.017−10	1.062−02	0.000−00	0.000−00	0.000−00
9	19	8.171+02	5.033−02	5.038−12	9.822−05	1.344+02	1.346−08	1.631−02
9	20	8.236+02	2.644−00	1.793−10	3.579−03	5.010+02	3.397−08	4.151−02
9	21	7.754+02	2.181−00	1.966−10	3.275−03	1.227−00	1.106−10	1.272−04
9	22	7.246+02	5.671−01	2.976−11	4.047−04	9.998+02	5.247−08	5.641−02
9	23	4.729+02	2.961+01	3.309−10	1.250−03	0.000−00	0.000−00	0.000−00
9	24	4.381+02	6.484−02	1.244−12	3.737−06	2.203+01	4.226−10	2.747−04
9	25	3.420+02	4.975+02	2.908−09	4.158−03	0.000−00	0.000−00	0.000−00
9	68	1.594+02	2.710+04	3.441−08	4.982−03	0.000−00	0.000−00	0.000−00
9	69	1.574+02	8.056+04	1.995−07	2.781−02	2.149+01	5.323−11	1.243−05
9	71	1.544+02	8.252+04	2.948−07	3.876−02	8.404−01	3.002−12	6.877−07
9	72	1.513+02	1.394+05	6.378−07	7.894−02	4.487−01	2.053−12	4.609−07
9	73	1.508+02	4.758+05	2.703−06	3.311−01	0.000−00	0.000−00	0.000−00
9	74	1.505+02	4.976+04	2.253−07	2.743−02	1.317−00	5.963−12	1.331−06
9	77	1.489+02	5.067+04	1.685−07	1.990−02	1.848−00	6.146−12	1.358−06
9	78	1.480+02	2.976+04	6.515−08	7.547−03	1.736−00	3.800−12	8.345−07
9	79	1.465+02	4.631+03	1.988−08	2.235−03	2.328−00	9.993−12	2.172−06
9	80	1.464+02	1.741+04	5.591−08	6.264−03	3.911−02	1.256−13	2.726−08
9	81	1.453+02	5.756+04	6.071−08	6.653−03	0.000−00	0.000−00	0.000−00
9	82	1.437+02	2.115+05	8.730−07	9.258−02	3.718−00	1.535−11	3.272−06
9	83	1.422+02	4.748+05	4.801−07	4.939−02	0.000−00	0.000−00	0.000−00
9	84	1.414+02	4.132−02	8.263−14	8.358−09	9.175−01	1.835−12	3.850−07
9	85	1.415+02	4.148+03	2.076−08	2.103−03	0.000−00	0.000−00	0.000−00
9	86	1.405+02	2.650+05	5.228−07	5.180−02	1.784+01	3.519−11	7.334−06

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
9	87	1.402+02	5.951+04	2.339−07	2.303−02	1.919−00	7.542−12	1.569−06
9	88	1.397+02	1.343+03	3.928−09	3.826−04	6.619−02	1.936−13	4.012−08
9	89	1.396+02	4.280+05	1.250−06	1.214−01	1.853−01	5.411−13	1.120−07
9	90	1.384+02	1.954+05	3.740−07	3.541−02	5.589−01	1.070−12	2.196−07
9	91	1.375+02	1.516+05	7.163−07	6.658−02	0.000−00	0.000−00	0.000−00
9	92	1.373+02	2.266+04	4.273−08	3.956−03	3.564−00	6.719−12	1.369−06
9	93	1.362+02	4.009+04	1.116−07	1.008−02	2.880−00	8.014−12	1.620−06
9	94	1.358+02	1.003+04	3.701−08	3.316−03	2.471−00	9.113−12	1.837−06
9	95	1.353+02	2.922+03	8.020−09	7.102−04	6.202−00	1.703−11	3.418−06
9	96	1.349+02	2.378+05	8.649−07	7.586−02	2.753−00	1.001−11	2.004−06
9	97	1.344+02	1.336+04	1.205−08	1.046−03	0.000−00	0.000−00	0.000−00
9	98	1.330+02	4.052+04	7.161−08	6.018−03	1.280+01	2.262−11	4.462−06
9	99	1.326+02	2.347+04	6.185−08	5.153−03	1.685−01	4.442−13	8.737−08
9	100	1.317+02	8.736+03	1.514−08	1.236−03	4.039−01	7.001−13	1.368−07
9	101	1.318+02	1.537+04	3.999−08	3.269−03	2.750−01	7.157−13	1.399−07
9	102	1.299+02	5.051+04	1.278−07	1.001−02	3.003−01	7.596−13	1.464−07
9	103	1.297+02	3.541+04	2.979−08	2.325−03	0.000−00	0.000−00	0.000−00
9	104	1.288+02	7.876+03	1.307−08	9.989−04	1.322−03	2.193−15	4.191−10
9	105	1.284+02	3.554+04	2.930−08	2.218−03	0.000−00	0.000−00	0.000−00
9	106	1.285+02	7.028+03	2.319−08	1.757−03	1.687−00	5.567−12	1.061−06
9	107	1.276+02	1.000+03	2.440−09	1.810−04	1.035−00	2.524−12	4.777−07
9	108	1.260+02	7.337+02	2.329−09	1.666−04	3.827−01	1.215−12	2.272−07
9	109	1.257+02	3.379+02	1.333−09	9.451−05	0.000−00	0.000−00	0.000−00
9	110	1.251+02	3.788+04	5.922−08	4.142−03	5.909−00	9.239−12	1.714−06
9	111	1.238+02	6.573+01	2.515−10	1.703−05	0.000−00	0.000−00	0.000−00
9	112	1.233+02	1.107+02	1.682−10	1.126−05	4.397−01	6.679−13	1.221−07
9	113	1.220+02	8.610+02	1.920−09	1.245−04	1.106−00	2.467−12	4.465−07
9	114	1.209+02	4.671+02	1.024−09	6.471−05	9.000−00	1.973−11	3.540−06
9	115	1.205+02	2.143+03	1.556−09	9.737−05	0.000−00	0.000−00	0.000−00
9	116	1.204+02	1.134+03	3.284−09	2.047−04	5.376−02	1.557−13	2.781−08
9	117	1.201+02	3.262+03	4.706−09	2.916−04	2.681−00	3.867−12	6.892−07
9	118	1.196+02	5.939+03	1.273−08	7.785−04	5.037−00	1.080−11	1.917−06
9	119	1.191+02	3.258+03	4.622−09	2.793−04	1.722−00	2.443−12	4.319−07
9	120	1.191+02	1.126+03	7.982−10	4.820−05	0.000−00	0.000−00	0.000−00
9	121	1.188+02	3.091+03	8.728−09	5.236−04	2.491−01	7.034−13	1.240−07
9	122	1.185+02	1.445+03	3.041−09	1.807−04	1.451−00	3.052−12	5.365−07
9	123	1.180+02	2.165+02	3.014−10	1.771−05	5.737−02	7.987−14	1.399−08
9	124	1.147+02	1.024+01	1.346−11	7.250−07	4.656+01	6.118−11	1.041−05
9	125	1.146+02	7.197+03	1.416−08	7.610−04	2.931−04	5.767−16	9.802−11
9	126	1.141+02	9.859+02	6.410−10	3.399−05	0.000−00	0.000−00	0.000−00
9	127	1.115+02	1.685+04	2.092−08	1.036−03	2.679+01	3.327−11	5.503−06
9	128	1.088+02	2.980+04	1.764−08	8.133−04	0.000−00	0.000−00	0.000−00
9	129	1.086+02	1.068+02	2.517−10	1.151−05	3.337−02	7.860−14	1.266−08
9	130	1.072+02	4.380+03	7.538−09	3.314−04	1.106−00	1.903−12	3.026−07
9	131	1.068+02	6.914+03	7.880−09	3.429−04	1.855+01	2.114−11	3.350−06
9	132	1.047+02	4.533+03	2.481−09	1.017−04	0.000−00	0.000−00	0.000−00
9	133	1.026+02	1.202−00	1.265−12	4.883−08	9.560−01	1.006−12	1.531−07
9	134	1.019+02	2.198+03	3.421−09	1.293−04	6.155−03	9.579−15	1.448−09
10	11	1.148+05	1.951−10	1.928−16	1.391−02	0.000−00	0.000−00	0.000−00
10	13	3.743+03	3.999−02	6.300−11	1.575−01	1.594+01	2.511−08	1.860−01

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
10	14	3.686+03	1.130−02	1.150−11	2.744−02	0.000−00	0.000−00	0.000−00
10	17	9.842+02	2.303−01	1.672−11	7.594−04	0.000−00	0.000−00	0.000−00
10	19	8.571+02	5.246−05	4.333−15	1.300−07	5.137+03	4.243−07	7.194−01
10	20	8.643+02	1.216+01	6.808−10	2.094−02	0.000−00	0.000−00	0.000−00
10	21	8.113+02	3.509−00	2.597−10	6.607−03	1.013+04	7.498−07	1.203−00
10	22	7.559+02	1.388−04	5.946−15	1.224−07	0.000−00	0.000−00	0.000−00
10	24	4.493+02	2.691−02	4.073−13	1.761−06	0.000−00	0.000−00	0.000−00
10	69	1.588+02	5.890+03	1.114−08	2.128−03	0.000−00	0.000−00	0.000−00
10	71	1.558+02	3.513+04	9.581−08	1.725−02	8.526−00	2.325−11	7.164−06
10	72	1.526+02	6.278+04	2.192−07	3.714−02	3.988−03	1.392−14	4.204−09
10	73	1.521+02	1.192+05	5.166−07	8.660−02	3.738−01	1.620−12	4.875−07
10	74	1.518+02	2.450+04	8.463−08	1.410−02	1.636−00	5.650−12	1.697−06
10	75	1.512+02	6.196+05	3.183−06	5.239−01	0.000−00	0.000−00	0.000−00
10	77	1.502+02	2.000+02	5.075−10	8.197−05	2.615−00	6.634−12	1.971−06
10	78	1.493+02	2.890+03	4.827−09	7.648−04	0.000−00	0.000−00	0.000−00
10	79	1.478+02	1.318+02	4.314−10	6.633−05	2.408−00	7.884−12	2.305−06
10	80	1.476+02	2.469+03	6.046−09	9.260−04	4.691−01	1.149−12	3.354−07
10	82	1.449+02	1.814+04	5.711−08	8.277−03	8.272−01	2.604−12	7.462−07
10	84	1.426+02	5.780+05	8.811−07	1.217−01	0.000−00	0.000−00	0.000−00
10	85	1.427+02	1.925+05	7.345−07	1.016−01	1.829−00	6.979−12	1.970−06
10	86	1.416+02	8.443+03	1.269−08	1.718−03	0.000−00	0.000−00	0.000−00
10	87	1.413+02	1.366+05	4.090−07	5.503−02	4.823−01	1.445−12	4.039−07
10	88	1.408+02	4.463+05	9.949−07	1.323−01	5.667−00	1.263−11	3.518−06
10	89	1.407+02	4.872+04	1.084−07	1.438−02	3.115−00	6.931−12	1.929−06
10	90	1.395+02	2.628+03	3.832−09	4.954−04	0.000−00	0.000−00	0.000−00
10	91	1.386+02	3.956+05	1.425−06	1.808−01	2.027−00	7.299−12	2.001−06
10	92	1.384+02	8.458+03	1.215−08	1.536−03	0.000−00	0.000−00	0.000−00
10	93	1.373+02	8.208+03	1.740−08	2.146−03	5.703−00	1.209−11	3.284−06
10	94	1.369+02	1.317+05	3.700−07	4.524−02	5.194−00	1.460−11	3.953−06
10	95	1.364+02	4.118+03	8.612−09	1.041−03	1.061−00	2.218−12	5.985−07
10	96	1.359+02	3.216+05	8.908−07	1.066−01	1.814−01	5.026−13	1.351−07
10	98	1.340+02	1.741+04	2.343−08	2.685−03	0.000−00	0.000−00	0.000−00
10	99	1.336+02	1.307+05	2.624−07	2.982−02	3.504+01	7.033−11	1.859−05
10	100	1.327+02	9.470+03	1.250−08	1.391−03	0.000−00	0.000−00	0.000−00
10	101	1.328+02	1.473+03	2.919−09	3.254−04	3.964−02	7.854−14	2.063−08
10	102	1.309+02	3.043+02	5.860−10	6.258−05	7.840−00	1.510−11	3.909−06
10	104	1.298+02	5.878+03	7.423−09	7.735−04	0.000−00	0.000−00	0.000−00
10	106	1.294+02	5.038+03	1.265−08	1.307−03	1.920−02	4.822−14	1.235−08
10	107	1.285+02	6.366+02	1.182−09	1.195−04	1.480−00	2.747−12	6.982−07
10	108	1.269+02	4.007+04	9.678−08	9.432−03	7.594−00	1.834−11	4.606−06
10	109	1.266+02	1.302+04	3.910−08	3.777−03	1.844−00	5.536−12	1.386−06
10	110	1.260+02	1.681+04	2.000−08	1.905−03	0.000−00	0.000−00	0.000−00
10	111	1.246+02	3.638+02	1.059−09	9.766−05	2.443−01	7.111−13	1.753−07
10	112	1.242+02	2.565+02	2.963−10	2.702−05	0.000−00	0.000−00	0.000−00
10	113	1.228+02	2.707+03	4.592−09	4.055−04	1.086+01	1.843−11	4.478−06
10	114	1.218+02	7.637+03	1.273−08	1.095−03	2.267+01	3.779−11	9.102−06
10	116	1.212+02	8.009−00	1.764−11	1.497−06	9.803−02	2.159−13	5.176−08
10	117	1.210+02	4.161+03	4.564−09	3.850−04	0.000−00	0.000−00	0.000−00
10	118	1.204+02	1.304+04	2.126−08	1.769−03	9.145−00	1.491−11	3.552−06
10	119	1.200+02	9.399+02	1.014−09	8.339−05	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
10	121	1.197+02	1.134+03	2.434−09	1.987−04	4.236−01	9.093−13	2.152−07
10	122	1.193+02	6.889+02	1.102−09	8.910−05	5.609−01	8.972−13	2.117−07
10	123	1.188+02	2.717+02	2.876−10	2.299−05	0.000−00	0.000−00	0.000−00
10	124	1.154+02	1.819+01	1.816−11	1.331−06	0.000−00	0.000−00	0.000−00
10	125	1.153+02	4.797+03	7.173−09	5.242−04	1.878+01	2.808−11	6.405−06
10	127	1.122+02	2.946+03	2.780−09	1.870−04	0.000−00	0.000−00	0.000−00
10	129	1.092+02	6.095−00	1.090−11	6.772−07	1.229−01	2.198−13	4.749−08
10	130	1.078+02	6.202+01	8.105−11	4.840−06	2.181+01	2.850−11	6.079−06
10	131	1.074+02	2.676+02	2.316−10	1.369−05	0.000−00	0.000−00	0.000−00
10	133	1.032+02	1.475−01	1.178−13	6.172−09	0.000−00	0.000−00	0.000−00
10	134	1.025+02	3.844+01	4.539−11	2.328−06	9.549−01	1.128−12	2.286−07
11	12	6.953+03	9.889−06	3.583−14	2.869−04	6.974+01	2.527−07	1.738−00
11	13	3.869+03	3.374−02	1.136−10	1.568−01	1.999+01	6.732−08	2.576−01
11	14	3.808+03	4.137−02	8.993−11	1.183−01	1.224+02	2.660−07	1.002−00
11	15	2.003+03	1.015−00	3.052−10	5.840−02	1.842+02	5.536−08	1.097−01
11	16	1.106+03	5.279−01	4.843−11	1.563−03	1.166+04	1.070−06	1.171−00
11	17	9.927+02	4.250−01	6.279−11	1.463−03	6.115+02	9.034−08	8.870−02
11	18	9.618+02	4.269−00	2.960−10	6.275−03	4.488+02	3.112−08	2.961−02
11	19	8.635+02	5.744−01	9.631−11	1.478−03	4.208+02	7.056−08	6.027−02
11	20	8.708+02	9.833−05	1.118−14	1.759−07	1.085+03	1.233−07	1.062−01
11	21	8.171+02	1.008−01	1.513−11	1.966−04	9.765−00	1.466−09	1.185−03
11	22	7.609+02	1.200−00	1.042−10	1.093−03	3.770−00	3.273−10	2.463−04
11	23	4.881+02	3.931+01	7.019−10	1.945−03	1.953+01	3.487−10	1.683−04
11	24	4.511+02	1.194−00	3.643−11	7.966−05	3.265+01	9.962−10	4.445−04
11	25	3.499+02	7.658+02	7.028−09	7.174−03	3.480+02	3.194−09	1.105−03
11	68	1.611+02	2.346+04	4.563−08	4.545−03	4.250+01	8.268−11	1.317−05
11	69	1.591+02	6.177+02	2.343−09	2.247−04	6.265−00	2.377−11	3.739−06
11	71	1.560+02	1.648+04	9.013−08	8.145−03	1.272−01	6.958−13	1.073−07
11	72	1.528+02	1.506+05	1.054−06	8.966−02	0.000−00	0.000−00	0.000−00
11	74	1.520+02	1.890+05	1.309−06	1.095−01	0.000−00	0.000−00	0.000−00
11	77	1.504+02	1.069+05	5.437−07	4.408−02	1.839−00	9.357−12	1.392−06
11	78	1.494+02	7.393−00	2.476−11	1.969−06	2.797−00	9.366−12	1.384−06
11	79	1.480+02	5.885+04	3.863−07	2.981−02	0.000−00	0.000−00	0.000−00
11	80	1.478+02	2.271+05	1.115−06	8.574−02	7.700−01	3.781−12	5.527−07
11	81	1.467+02	1.038+04	1.674−08	1.259−03	1.866−00	3.010−12	4.367−07
11	82	1.451+02	6.421+04	4.052−07	2.948−02	0.000−00	0.000−00	0.000−00
11	83	1.436+02	6.556+04	1.013−07	7.149−03	1.070−01	1.654−13	2.349−08
11	84	1.428+02	6.383+03	1.951−08	1.353−03	2.323−02	7.098−14	1.002−08
11	86	1.418+02	2.470+05	7.444−07	5.055−02	1.021−01	3.079−13	4.318−08
11	87	1.415+02	1.823+04	1.095−07	7.392−03	0.000−00	0.000−00	0.000−00
11	88	1.410+02	1.733+04	7.744−08	5.169−03	1.637−00	7.314−12	1.020−06
11	89	1.409+02	9.711+02	4.332−09	2.884−04	2.232−00	9.956−12	1.387−06
11	90	1.396+02	1.718+05	5.024−07	3.260−02	1.267−00	3.705−12	5.117−07
11	92	1.386+02	1.877+05	5.405−07	3.428−02	2.806−01	8.081−13	1.108−07
11	93	1.375+02	2.355+05	1.001−06	6.195−02	3.095−00	1.316−11	1.789−06
11	94	1.371+02	7.371+04	4.153−07	2.548−02	0.000−00	0.000−00	0.000−00
11	95	1.365+02	4.496+04	1.885−07	1.143−02	2.693−01	1.129−12	1.524−07
11	96	1.361+02	8.125+04	4.513−07	2.710−02	0.000−00	0.000−00	0.000−00
11	97	1.356+02	2.512+05	3.462−07	2.056−02	5.037−00	6.941−12	9.309−07
11	98	1.341+02	5.322+04	1.436−07	8.259−03	2.587−01	6.979−13	9.260−08

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i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
11	99	1.338+02	1.738+04	6.993−08	3.987−03	1.623−01	6.531−13	8.640−08
11	100	1.329+02	1.707+04	4.516−08	2.523−03	2.870−00	7.593−12	9.977−07
11	101	1.329+02	6.238+02	2.478−09	1.386−04	2.354−00	9.350−12	1.229−06
11	102	1.310+02	1.320+04	5.095−08	2.730−03	2.627−01	1.014−12	1.314−07
11	103	1.309+02	4.218+05	5.414−07	2.890−02	1.506+01	1.933−11	2.502−06
11	104	1.299+02	4.258+02	1.078−09	5.635−05	8.009−00	2.028−11	2.606−06
11	105	1.295+02	3.761+02	4.730−10	2.449−05	1.263−01	1.589−13	2.036−08
11	106	1.296+02	1.490+03	7.503−09	3.889−04	0.000−00	0.000−00	0.000−00
11	107	1.286+02	2.065+03	7.683−09	3.896−04	2.659−01	9.895−13	1.259−07
11	108	1.271+02	8.787−00	4.254−11	2.080−06	0.000−00	0.000−00	0.000−00
11	110	1.261+02	2.209+04	5.267−08	2.517−03	2.915−03	6.951−15	8.671−10
11	112	1.243+02	7.874+03	1.824−08	8.342−04	5.565−01	1.289−12	1.585−07
11	113	1.230+02	3.153+03	1.072−08	4.748−04	7.002−00	2.381−11	2.896−06
11	114	1.219+02	1.205+02	4.026−10	1.737−05	1.149−00	3.838−12	4.627−07
11	115	1.215+02	3.246+03	3.591−09	1.535−04	6.137−00	6.791−12	8.160−07
11	116	1.213+02	8.920+01	3.938−10	1.676−05	0.000−00	0.000−00	0.000−00
11	117	1.211+02	4.232−00	9.303−12	3.936−07	1.669−00	3.670−12	4.395−07
11	118	1.206+02	3.609−00	1.179−11	4.922−07	1.231+01	4.024−11	4.798−06
11	119	1.201+02	8.010+02	1.732−09	7.144−05	1.853−01	4.006−13	4.759−08
11	120	1.201+02	1.348+03	1.456−09	6.002−05	5.774−01	6.239−13	7.408−08
11	121	1.198+02	1.983+03	8.529−09	3.493−04	0.000−00	0.000−00	0.000−00
11	122	1.194+02	8.451+02	2.709−09	1.099−04	3.907−00	1.253−11	1.479−06
11	123	1.189+02	1.734+04	3.678−08	1.475−03	1.690+01	3.584−11	4.217−06
11	124	1.155+02	8.671+04	1.735−07	6.376−03	1.018+01	2.038−11	2.329−06
11	125	1.154+02	2.544+03	7.625−09	2.795−04	5.802−02	1.739−13	1.985−08
11	126	1.149+02	1.144+05	1.133−07	4.096−03	3.037+01	3.007−11	3.418−06
11	127	1.123+02	4.138+03	7.822−09	2.639−04	1.388−00	2.625−12	2.915−07
11	128	1.096+02	2.625+03	2.366−09	7.428−05	1.832+01	1.651−11	1.790−06
11	129	1.093+02	5.646−00	2.024−11	6.302−07	0.000−00	0.000−00	0.000−00
11	130	1.079+02	5.977+02	1.565−09	4.686−05	1.486−01	3.891−13	4.153−08
11	131	1.076+02	8.733+01	1.514−10	4.488−06	4.403−00	7.634−12	8.120−07
11	132	1.054+02	6.031+04	5.021−08	1.400−03	1.845+01	1.536−11	1.601−06
11	133	1.033+02	1.446+03	2.313−09	6.076−05	1.022−00	1.635−12	1.671−07
11	134	1.026+02	1.203+01	2.846−11	7.317−07	4.572−00	1.082−11	1.097−06
12	13	8.725+03	3.330−04	1.140−11	9.022−02	0.000−00	0.000−00	0.000−00
12	14	8.418+03	5.317−04	1.130−11	8.030−02	1.155+01	2.455−07	1.022−00
12	15	2.813+03	0.000−00	0.000−00	0.000−00	5.902+02	7.000−07	9.738−01
12	16	1.316+03	0.000−00	0.000−00	0.000−00	1.554+03	4.033−07	2.624−01
12	17	1.158+03	1.020−02	4.099−12	7.583−05	6.697+02	2.692−07	1.542−01
12	18	1.116+03	0.000−00	0.000−00	0.000−00	2.740+03	5.119−07	2.826−01
12	19	9.860+02	8.268−01	3.615−10	4.128−03	0.000−00	0.000−00	0.000−00
12	20	9.955+02	5.442−01	1.617−10	1.901−03	1.043+01	3.098−09	1.525−03
12	21	9.259+02	3.381−02	1.304−11	1.232−04	0.000−00	0.000−00	0.000−00
12	22	8.544+02	7.106−01	1.555−10	1.156−03	1.093+02	2.393−08	1.011−02
12	23	5.249+02	0.000−00	0.000−00	0.000−00	8.230+02	3.400−08	8.826−03
12	24	4.824+02	1.579−00	1.102−10	1.473−04	1.620−00	1.131−10	2.697−05
12	25	3.685+02	0.000−00	0.000−00	0.000−00	2.971+03	6.046−08	1.102−02
12	68	1.649+02	0.000−00	0.000−00	0.000−00	2.412−00	9.836−12	8.022−07
12	69	1.628+02	9.192+03	7.304−08	3.753−03	2.921−01	2.321−12	1.868−07
12	71	1.595+02	1.657+03	1.897−08	9.176−04	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
12	77	1.537+02	1.024+05	1.088−06	4.710−02	0.000−00	0.000−00	0.000−00
12	78	1.527+02	6.724+04	4.703−07	1.996−02	2.212−00	1.547−11	1.169−06
12	80	1.510+02	1.114+05	1.142−06	4.684−02	0.000−00	0.000−00	0.000−00
12	81	1.499+02	0.000−00	0.000−00	0.000−00	2.206−01	7.424−13	5.502−08
12	83	1.466+02	0.000−00	0.000−00	0.000−00	2.012+01	6.484−11	4.702−06
12	84	1.458+02	8.562+03	5.456−08	2.013−03	1.872−00	1.192−11	8.596−07
12	86	1.447+02	2.563+04	1.610−07	5.816−03	2.176−00	1.367−11	9.786−07
12	88	1.439+02	1.522+04	1.417−07	5.029−03	0.000−00	0.000−00	0.000−00
12	89	1.438+02	1.036+05	9.635−07	3.410−02	0.000−00	0.000−00	0.000−00
12	90	1.425+02	1.849+05	1.126−06	3.882−02	1.267−01	7.713−13	5.436−08
12	92	1.414+02	3.130+05	1.877−06	6.322−02	4.133−02	2.478−13	1.733−08
12	93	1.402+02	2.176+05	1.925−06	6.325−02	0.000−00	0.000−00	0.000−00
12	95	1.393+02	6.138+04	5.355−07	1.723−02	0.000−00	0.000−00	0.000−00
12	97	1.383+02	0.000−00	0.000−00	0.000−00	9.387−01	2.691−12	1.840−07
12	98	1.368+02	6.199+03	3.478−08	1.060−03	2.525−02	1.416−13	9.583−09
12	99	1.364+02	9.967+02	8.338−09	2.520−04	0.000−00	0.000−00	0.000−00
12	100	1.354+02	2.878+04	1.583−07	4.684−03	1.524−02	8.381−14	5.613−09
12	101	1.355+02	3.317+03	2.739−08	8.117−04	0.000−00	0.000−00	0.000−00
12	102	1.335+02	2.839+04	2.277−07	6.460−03	0.000−00	0.000−00	0.000−00
12	103	1.334+02	0.000−00	0.000−00	0.000−00	4.298−00	1.146−11	7.559−07
12	104	1.324+02	1.982+03	1.042−08	2.882−04	3.051−01	1.604−12	1.050−07
12	105	1.320+02	0.000−00	0.000−00	0.000−00	1.157−00	3.022−12	1.972−07
12	107	1.311+02	3.341+01	2.581−10	6.921−06	0.000−00	0.000−00	0.000−00
12	110	1.284+02	1.968+04	9.738−08	2.458−03	4.146−00	2.051−11	1.303−06
12	112	1.266+02	1.467+04	7.046−08	1.701−03	7.434−01	3.570−12	2.234−07
12	113	1.252+02	1.468+04	1.035−07	2.417−03	0.000−00	0.000−00	0.000−00
12	114	1.241+02	2.224+03	1.540−08	3.503−04	0.000−00	0.000−00	0.000−00
12	115	1.237+02	0.000−00	0.000−00	0.000−00	5.922−02	1.357−13	8.302−09
12	117	1.232+02	7.632+03	3.476−08	7.750−04	4.001−00	1.822−11	1.110−06
12	118	1.227+02	1.349+03	9.132−09	2.008−04	0.000−00	0.000−00	0.000−00
12	119	1.222+02	5.780−00	2.588−11	5.624−07	9.907−02	4.435−13	2.680−08
12	120	1.222+02	0.000−00	0.000−00	0.000−00	2.447−01	5.474−13	3.307−08
12	122	1.215+02	6.586+01	4.371−10	9.336−06	0.000−00	0.000−00	0.000−00
12	123	1.210+02	4.912+03	2.157−08	4.555−04	1.907+01	8.373−11	5.011−06
12	124	1.175+02	8.814+04	3.648−07	7.047−03	5.960−00	2.467−11	1.433−06
12	125	1.174+02	2.831+03	1.755−08	3.381−04	0.000−00	0.000−00	0.000−00
12	126	1.169+02	0.000−00	0.000−00	0.000−00	2.024+01	4.144−11	2.395−06
12	127	1.141+02	3.312+03	1.294−08	2.292−04	3.770−00	1.473−11	8.312−07
12	128	1.114+02	0.000−00	0.000−00	0.000−00	1.055+01	1.963−11	1.081−06
12	130	1.096+02	5.430+02	2.934−09	4.603−05	0.000−00	0.000−00	0.000−00
12	131	1.092+02	7.305+03	2.614−08	4.058−04	6.763−01	2.420−12	1.307−07
12	132	1.070+02	0.000−00	0.000−00	0.000−00	1.013+01	1.739−11	9.201−07
12	133	1.049+02	2.871+03	9.465−09	1.300−04	1.258−00	4.148−12	2.151−07
12	134	1.041+02	1.404+03	6.846−09	9.202−05	0.000−00	0.000−00	0.000−00
13	14	2.396+05	2.056−11	1.180−16	5.798−02	7.907−04	4.536−09	1.612−00
13	15	4.151+03	6.559−03	5.648−12	1.444−02	0.000−00	0.000−00	0.000−00
13	16	1.549+03	5.714−02	6.854−12	9.110−04	0.000−00	0.000−00	0.000−00
13	17	1.335+03	1.035−01	1.844−11	1.569−03	2.093+02	3.729−08	7.388−02
13	18	1.280+03	3.572−01	2.924−11	2.191−03	0.000−00	0.000−00	0.000−00
13	19	1.112+03	2.204−01	4.083−11	2.004−03	7.330+02	1.358−07	2.239−01

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
13	20	1.124+03	3.814−01	4.814−11	2.441−03	4.986+03	6.292−07	1.049−00
13	21	1.036+03	1.479−02	2.378−12	9.445−05	3.714+03	5.973−07	9.178−01
13	22	9.472+02	3.722−01	3.337−11	1.013−03	5.045+01	4.523−09	6.357−03
13	23	5.585+02	3.381+01	5.271−10	3.282−03	0.000−00	0.000−00	0.000−00
13	24	5.106+02	1.421−01	3.704−12	1.763−05	5.893−00	1.536−10	1.163−04
13	25	3.847+02	7.317+02	5.411−09	1.101−02	0.000−00	0.000−00	0.000−00
13	68	1.681+02	2.535+03	3.580−09	6.076−04	0.000−00	0.000−00	0.000−00
13	69	1.659+02	1.235+04	3.396−08	5.541−03	1.500−00	4.124−12	1.015−06
13	71	1.625+02	3.660+04	1.449−07	2.222−02	1.014+01	4.016−11	9.682−06
13	72	1.591+02	1.115+04	5.640−08	8.118−03	7.425−02	3.757−13	8.869−08
13	73	1.585+02	1.613+04	1.013−07	1.442−02	0.000−00	0.000−00	0.000−00
13	74	1.582+02	7.096+04	3.550−07	5.024−02	1.689−01	8.448−13	1.983−07
13	77	1.565+02	3.198+03	1.174−08	1.609−03	8.417−02	3.091−13	7.176−08
13	78	1.555+02	6.664+03	1.610−08	2.161−03	7.523−00	1.817−11	4.191−06
13	79	1.538+02	1.498+04	7.086−08	9.221−03	4.676−01	2.212−12	5.049−07
13	80	1.536+02	1.027+03	3.634−09	4.710−04	1.181−00	4.180−12	9.528−07
13	81	1.525+02	5.380+03	6.249−09	7.915−04	0.000−00	0.000−00	0.000−00
13	82	1.507+02	7.892+03	3.584−08	4.386−03	6.251−01	2.839−12	6.347−07
13	83	1.491+02	2.335+04	2.596−08	3.077−03	0.000−00	0.000−00	0.000−00
13	84	1.482+02	2.240+04	4.920−08	5.728−03	1.084+01	2.381−11	5.236−06
13	85	1.483+02	4.982+05	2.739−06	3.195−01	0.000−00	0.000−00	0.000−00
13	86	1.472+02	2.824+03	6.114−09	6.967−04	3.993−00	8.646−12	1.888−06
13	87	1.469+02	9.992+04	4.309−07	4.881−02	3.199−00	1.380−11	3.007−06
13	88	1.463+02	7.091+04	2.276−07	2.547−02	6.148−00	1.973−11	4.283−06
13	89	1.462+02	4.771+03	1.528−08	1.706−03	3.805−00	1.219−11	2.643−06
13	90	1.449+02	2.755+04	5.780−08	6.280−03	2.246−00	4.712−12	1.013−06
13	91	1.439+02	1.406+05	7.279−07	7.758−02	0.000−00	0.000−00	0.000−00
13	92	1.437+02	1.860+02	3.841−10	4.077−05	2.643−00	5.459−12	1.164−06
13	93	1.425+02	1.046+04	3.187−08	3.299−03	3.308−00	1.008−11	2.131−06
13	94	1.421+02	4.356+05	1.758−06	1.803−01	1.273−01	5.137−13	1.083−07
13	95	1.415+02	1.589+05	4.772−07	4.835−02	6.879−01	2.066−12	4.337−07
13	96	1.411+02	2.210+02	8.791−10	8.818−05	6.135−00	2.440−11	5.106−06
13	97	1.405+02	6.974+04	6.881−08	6.822−03	0.000−00	0.000−00	0.000−00
13	98	1.390+02	2.889+05	5.575−07	5.347−02	2.057−00	3.970−12	8.185−07
13	99	1.386+02	3.553+05	1.023−06	9.720−02	9.262−01	2.666−12	5.479−07
13	100	1.376+02	1.283+05	2.427−07	2.258−02	7.586−01	1.435−12	2.929−07
13	101	1.376+02	7.966+03	2.262−08	2.108−03	7.355−03	2.089−14	4.265−09
13	102	1.356+02	8.745+03	2.411−08	2.149−03	5.096−01	1.405−12	2.827−07
13	103	1.354+02	3.726+04	3.415−08	3.032−03	0.000−00	0.000−00	0.000−00
13	104	1.345+02	4.364+04	7.886−08	6.852−03	5.999−00	1.084−11	2.163−06
13	105	1.340+02	5.671+05	5.090−07	4.379−02	0.000−00	0.000−00	0.000−00
13	106	1.341+02	4.549+02	1.634−09	1.407−04	1.022−00	3.670−12	7.300−07
13	107	1.331+02	8.107+01	2.152−10	1.812−05	5.948−01	1.579−12	3.117−07
13	108	1.314+02	4.731+03	1.633−08	1.323−03	5.998−00	2.070−11	4.035−06
13	109	1.310+02	9.609+03	4.120−08	3.309−03	0.000−00	0.000−00	0.000−00
13	110	1.304+02	1.791+05	3.042−07	2.409−02	4.804−00	8.159−12	1.578−06
13	111	1.289+02	8.584+02	3.565−09	2.730−04	0.000−00	0.000−00	0.000−00
13	112	1.284+02	5.866+03	9.669−09	7.317−04	1.626−00	2.680−12	5.107−07
13	113	1.270+02	8.324+03	2.013−08	1.473−03	6.727−01	1.627−12	3.065−07
13	114	1.259+02	7.492+03	1.779−08	1.268−03	6.905−01	1.640−12	3.062−07

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
13	115	1.254+02	1.122+05	8.819−08	6.220−03	0.000−00	0.000−00	0.000−00
13	116	1.253+02	2.360+02	7.401−10	5.198−05	1.025−01	3.215−13	5.974−08
13	117	1.250+02	3.430+04	5.357−08	3.740−03	1.803−00	2.817−12	5.224−07
13	118	1.244+02	4.191+03	9.727−09	6.696−04	1.638−01	3.803−13	7.019−08
13	119	1.239+02	8.435+03	1.295−08	8.807−04	1.565−00	2.402−12	4.417−07
13	120	1.239+02	2.903+02	2.227−10	1.513−05	0.000−00	0.000−00	0.000−00
13	121	1.236+02	3.223+03	9.844−09	6.645−04	2.000−03	6.108−15	1.120−09
13	122	1.232+02	1.854+03	4.219−09	2.819−04	2.234−03	5.083−15	9.290−10
13	123	1.227+02	1.145−01	1.724−13	1.139−08	4.757−00	7.161−12	1.304−06
13	124	1.191+02	4.474+03	6.341−09	3.828−04	1.332−01	1.888−13	3.335−08
13	125	1.190+02	2.053+04	4.358−08	2.624−03	1.045+01	2.218−11	3.916−06
13	126	1.184+02	7.186+02	5.038−10	2.992−05	0.000−00	0.000−00	0.000−00
13	127	1.157+02	4.880+04	6.524−08	3.606−03	3.672−00	4.908−12	8.422−07
13	128	1.128+02	7.968+04	5.070−08	2.603−03	0.000−00	0.000−00	0.000−00
13	129	1.125+02	7.110+02	1.799−09	9.160−05	2.359−01	5.969−13	9.965−08
13	130	1.110+02	2.344+04	4.329−08	2.116−03	2.828+01	5.224−11	8.604−06
13	131	1.106+02	1.958+04	2.394−08	1.158−03	1.036−01	1.267−13	2.080−08
13	132	1.083+02	1.077+04	6.317−09	2.870−04	0.000−00	0.000−00	0.000−00
13	133	1.061+02	4.539+02	5.111−10	2.184−05	1.290−00	1.453−12	2.287−07
13	134	1.054+02	3.096+03	5.152−09	2.154−04	1.200−00	1.998−12	3.123−07
14	15	4.224+03	3.168−02	4.238−11	7.610−02	4.021−00	5.378−09	2.247−02
14	16	1.559+03	1.436−01	2.617−11	2.364−03	2.910+02	5.304−08	8.180−02
14	17	1.343+03	2.138−02	5.779−12	3.333−04	1.946+03	5.258−07	6.983−01
14	18	1.287+03	9.079−02	1.127−11	5.721−04	1.453+03	1.804−07	2.296−01
14	19	1.117+03	7.591−02	2.129−11	7.065−04	1.545+02	4.333−08	4.787−02
14	20	1.129+03	9.085−02	1.736−11	5.953−04	3.188+03	6.092−07	6.803−01
14	21	1.040+03	7.971−02	1.940−11	5.202−04	7.620+02	1.854−07	1.908−01
14	22	9.510+02	1.644−00	2.229−10	4.567−03	1.644+02	2.228−08	2.096−02
14	23	5.598+02	3.520+01	8.269−10	3.457−03	1.707+02	4.011−09	2.221−03
14	24	5.117+02	2.354−01	9.242−12	2.951−05	7.484+01	2.938−09	1.487−03
14	25	3.853+02	4.955+02	5.515−09	7.516−03	2.002+03	2.228−08	8.489−03
14	68	1.682+02	1.101+04	2.335−08	2.648−03	7.606−00	1.613−11	2.684−06
14	69	1.660+02	3.940+03	1.628−08	1.774−03	1.051+01	4.342−11	7.130−06
14	71	1.626+02	4.317+01	2.567−10	2.630−05	2.871−01	1.708−12	2.747−07
14	72	1.592+02	2.617+04	1.989−07	1.912−02	0.000−00	0.000−00	0.000−00
14	74	1.583+02	2.712+02	2.038−09	1.926−04	0.000−00	0.000−00	0.000−00
14	77	1.566+02	1.579+04	8.707−08	7.967−03	2.145−00	1.183−11	1.832−06
14	78	1.556+02	3.366+04	1.221−07	1.095−02	5.046−01	1.831−12	2.817−07
14	79	1.539+02	5.298+04	3.765−07	3.272−02	0.000−00	0.000−00	0.000−00
14	80	1.537+02	3.631+01	1.930−10	1.671−05	3.470−00	1.844−11	2.805−06
14	81	1.526+02	4.778+03	8.336−09	7.052−04	1.385−00	2.415−12	3.645−07
14	82	1.508+02	3.348+05	2.283−06	1.866−01	0.000−00	0.000−00	0.000−00
14	83	1.492+02	8.672+03	1.447−08	1.146−03	9.019−00	1.505−11	2.222−06
14	84	1.483+02	3.720+02	1.227−09	9.544−05	5.137−00	1.695−11	2.487−06
14	86	1.473+02	3.294+04	1.071−07	8.151−03	3.373−00	1.097−11	1.598−06
14	87	1.470+02	1.007+05	6.525−07	4.936−02	0.000−00	0.000−00	0.000−00
14	88	1.464+02	1.985+03	9.566−09	7.150−04	6.185−00	2.981−11	4.316−06
14	89	1.463+02	7.862+03	3.782−08	2.819−03	1.048−00	5.042−12	7.294−07
14	90	1.450+02	2.719+04	8.566−08	6.217−03	2.276−00	7.172−12	1.028−06
14	92	1.438+02	1.094+04	3.393−08	2.405−03	1.266−01	3.926−13	5.586−08

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
14	93	1.426+02	7.876+04	3.603−07	2.490−02	1.387−01	6.344−13	8.949−08
14	94	1.422+02	2.201+04	1.334−07	9.138−03	0.000−00	0.000−00	0.000−00
14	95	1.416+02	3.750+05	1.691−06	1.144−01	3.178−01	1.433−12	2.008−07
14	96	1.411+02	8.555+04	5.110−07	3.423−02	0.000−00	0.000−00	0.000−00
14	97	1.406+02	2.726+05	4.039−07	2.674−02	1.717+01	2.544−11	3.537−06
14	98	1.391+02	2.798+05	8.111−07	5.195−02	1.635−00	4.738−12	6.517−07
14	99	1.386+02	1.449+05	6.262−07	3.975−02	3.514−00	1.519−11	2.082−06
14	100	1.376+02	7.719+04	2.193−07	1.362−02	3.270−01	9.288−13	1.265−07
14	101	1.377+02	1.334+04	5.687−08	3.539−03	2.603−01	1.110−12	1.512−07
14	102	1.357+02	2.323+04	9.619−08	5.726−03	2.757−01	1.142−12	1.532−07
14	103	1.355+02	3.166+05	4.358−07	2.584−02	3.601−00	4.957−12	6.644−07
14	104	1.345+02	7.751+04	2.103−07	1.220−02	3.821−01	1.037−12	1.379−07
14	105	1.341+02	7.198+04	9.702−08	5.573−03	9.120−01	1.229−12	1.630−07
14	106	1.341+02	3.658+03	1.973−08	1.135−03	0.000−00	0.000−00	0.000−00
14	107	1.331+02	4.453+02	1.775−09	9.979−05	1.571−00	6.262−12	8.246−07
14	108	1.315+02	6.527+01	3.382−10	1.831−05	0.000−00	0.000−00	0.000−00
14	110	1.304+02	1.184+05	3.020−07	1.597−02	9.728−01	2.481−12	3.201−07
14	112	1.285+02	3.576+03	8.849−09	4.472−04	3.203−02	7.926−14	1.007−08
14	113	1.271+02	4.205+04	1.527−07	7.463−03	4.853−01	1.762−12	2.214−07
14	114	1.259+02	7.861+03	2.803−08	1.334−03	6.668−01	2.378−12	2.962−07
14	115	1.255+02	2.557+04	3.019−08	1.422−03	9.659−00	1.140−11	1.416−06
14	116	1.253+02	8.810+02	4.149−09	1.946−04	0.000−00	0.000−00	0.000−00
14	117	1.251+02	3.144+04	7.373−08	3.437−03	3.314−00	7.773−12	9.615−07
14	118	1.245+02	1.069+03	3.726−09	1.712−04	3.247−00	1.132−11	1.393−06
14	119	1.240+02	6.911−00	1.593−11	7.234−07	1.031−00	2.375−12	2.913−07
14	120	1.240+02	9.560+03	1.101−08	4.997−04	3.252−00	3.746−12	4.592−07
14	121	1.237+02	3.885+03	1.782−08	8.030−04	0.000−00	0.000−00	0.000−00
14	122	1.233+02	5.570+01	1.903−10	8.492−06	2.923−01	9.987−13	1.218−07
14	123	1.228+02	3.294+02	7.445−10	3.284−05	1.900−00	4.294−12	5.215−07
14	124	1.192+02	3.824+04	8.139−08	3.280−03	5.107−00	1.087−11	1.281−06
14	125	1.191+02	4.723+04	1.505−07	6.050−03	1.000+01	3.187−11	3.753−06
14	126	1.185+02	4.441+04	4.675−08	1.853−03	3.458−03	3.641−15	4.267−10
14	127	1.157+02	7.285+04	1.462−07	5.396−03	2.773−00	5.566−12	6.370−07
14	128	1.129+02	1.966+04	1.879−08	6.439−04	4.692−00	4.482−12	5.005−07
14	129	1.126+02	8.955+02	3.403−09	1.156−04	0.000−00	0.000−00	0.000−00
14	130	1.111+02	3.093+04	8.579−08	2.800−03	1.275−00	3.537−12	3.886−07
14	131	1.107+02	1.713+04	3.145−08	1.016−03	7.256−00	1.332−11	1.459−06
14	132	1.084+02	1.674+04	1.474−08	4.470−04	1.746+01	1.537−11	1.648−06
14	133	1.062+02	2.703+01	4.569−11	1.303−06	4.998−01	8.449−13	8.873−08
14	134	1.054+02	4.510+03	1.127−08	3.145−04	1.176−00	2.937−12	3.062−07
15	16	2.472+03	0.000−00	0.000−00	0.000−00	6.778−03	6.209−12	7.591−06
15	17	1.968+03	3.920−02	4.553−11	4.137−03	1.548+02	1.799−07	1.751−01
15	18	1.851+03	0.000−00	0.000−00	0.000−00	8.368+01	4.297−08	3.932−02
15	19	1.518+03	6.740−01	6.987−10	2.912−02	0.000−00	0.000−00	0.000−00
15	20	1.541+03	5.137−02	3.657−11	1.594−03	2.149+03	1.530−06	1.166−00
15	21	1.380+03	3.257−04	2.791−13	8.739−06	0.000−00	0.000−00	0.000−00
15	22	1.227+03	1.512−02	6.829−12	1.504−04	6.649−00	3.002−09	1.822−03
15	23	6.454+02	0.000−00	0.000−00	0.000−00	1.685+03	1.052−07	3.359−02
15	24	5.823+02	5.190−00	5.275−10	1.241−03	1.785+02	1.815−08	5.225−03
15	25	4.240+02	0.000−00	0.000−00	0.000−00	1.454+03	3.919−08	8.218−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
15	68	1.752+02	0.000−00	0.000−00	0.000−00	5.028−01	2.313−12	2.004−07
15	69	1.728+02	5.846−00	5.233−11	3.216−06	1.426−01	1.277−12	1.091−07
15	71	1.691+02	1.380+03	1.776−08	1.024−03	0.000−00	0.000−00	0.000−00
15	77	1.626+02	5.984+04	7.117−07	3.647−02	0.000−00	0.000−00	0.000−00
15	78	1.615+02	5.959+04	4.661−07	2.339−02	1.113−02	8.705−14	6.953−09
15	80	1.596+02	9.268+04	1.061−06	5.134−02	0.000−00	0.000−00	0.000−00
15	81	1.583+02	0.000−00	0.000−00	0.000−00	4.529−00	1.701−11	1.332−06
15	83	1.547+02	0.000−00	0.000−00	0.000−00	8.524−00	3.058−11	2.339−06
15	84	1.537+02	5.963+02	4.226−09	1.829−04	4.635+01	3.285−10	2.497−05
15	86	1.526+02	2.031+04	1.418−07	6.001−03	2.093−01	1.461−12	1.103−07
15	88	1.516+02	8.846+02	9.150−09	3.801−04	0.000−00	0.000−00	0.000−00
15	89	1.515+02	1.326+04	1.369−07	5.673−03	0.000−00	0.000−00	0.000−00
15	90	1.501+02	1.114+04	7.527−08	3.033−03	2.415−02	1.632−13	1.211−08
15	92	1.489+02	1.504+04	9.999−08	3.932−03	7.701−01	5.119−12	3.769−07
15	93	1.476+02	6.401+04	6.272−07	2.403−02	0.000−00	0.000−00	0.000−00
15	95	1.465+02	7.800+02	7.532−09	2.822−04	0.000−00	0.000−00	0.000−00
15	97	1.454+02	0.000−00	0.000−00	0.000−00	8.323−00	2.639−11	1.898−06
15	98	1.438+02	4.694+03	2.910−08	1.030−03	4.157−02	2.577−13	1.832−08
15	99	1.433+02	1.011+04	9.341−08	3.277−03	0.000−00	0.000−00	0.000−00
15	100	1.423+02	3.083+05	1.871−06	6.421−02	1.775−03	1.077−14	7.581−10
15	101	1.424+02	3.559+04	3.243−07	1.115−02	0.000−00	0.000−00	0.000−00
15	102	1.402+02	2.852+05	2.521−06	8.274−02	0.000−00	0.000−00	0.000−00
15	103	1.400+02	0.000−00	0.000−00	0.000−00	6.284−02	1.847−13	1.279−08
15	104	1.390+02	1.203+05	6.965−07	2.227−02	4.990−01	2.889−12	1.985−07
15	105	1.385+02	0.000−00	0.000−00	0.000−00	1.103+01	3.171−11	2.172−06
15	107	1.375+02	2.442+03	2.075−08	6.422−04	0.000−00	0.000−00	0.000−00
15	110	1.346+02	1.951+04	1.060−07	3.078−03	1.456−01	7.908−13	5.264−08
15	112	1.325+02	3.318+04	1.747−07	4.842−03	6.517−04	3.431−15	2.249−10
15	113	1.310+02	5.805+02	4.481−09	1.200−04	0.000−00	0.000−00	0.000−00
15	114	1.298+02	3.327+04	2.521−07	6.567−03	0.000−00	0.000−00	0.000−00
15	115	1.293+02	0.000−00	0.000−00	0.000−00	1.244−00	3.119−12	1.995−07
15	117	1.289+02	2.031−00	1.012−11	2.581−07	3.500−01	1.744−12	1.111−07
15	118	1.283+02	4.178+04	3.091−07	7.771−03	0.000−00	0.000−00	0.000−00
15	119	1.277+02	7.436+03	3.638−08	9.035−04	2.198−00	1.076−11	6.795−07
15	120	1.277+02	0.000−00	0.000−00	0.000−00	3.250−00	7.946−12	5.018−07
15	122	1.270+02	1.221+03	8.856−09	2.159−04	0.000−00	0.000−00	0.000−00
15	123	1.265+02	1.781+04	8.541−08	2.058−03	2.257−00	1.082−11	6.767−07
15	124	1.226+02	1.500+03	6.761−09	1.484−04	6.774−00	3.053−11	1.851−06
15	125	1.225+02	4.189+04	2.827−07	6.190−03	0.000−00	0.000−00	0.000−00
15	126	1.219+02	0.000−00	0.000−00	0.000−00	1.645−00	3.666−12	2.211−07
15	127	1.190+02	2.306+04	9.784−08	1.962−03	1.408+01	5.976−11	3.516−06
15	128	1.160+02	0.000−00	0.000−00	0.000−00	4.482+01	9.039−11	5.185−06
15	130	1.141+02	3.594+04	2.102−07	3.716−03	0.000−00	0.000−00	0.000−00
15	131	1.137+02	1.679+01	6.501−11	1.137−06	4.362−02	1.689−13	9.494−09
15	132	1.112+02	0.000−00	0.000−00	0.000−00	1.794+01	3.328−11	1.831−06
15	133	1.089+02	1.425+04	5.070−08	7.805−04	1.680−01	5.977−13	3.220−08
15	134	1.081+02	2.124+03	1.116−08	1.680−04	0.000−00	0.000−00	0.000−00
16	17	9.661+03	1.955−04	5.471−12	5.877−02	2.257+01	6.315−07	3.017−00
16	18	7.362+03	0.000−00	0.000−00	0.000−00	2.183−00	1.774−08	6.459−02
16	19	3.934+03	2.129−03	1.482−11	1.075−02	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
16	20	4.091+03	3.111−02	1.561−10	1.273−01	2.019−01	1.013−09	2.050−03
16	21	3.125+03	1.157−02	5.082−11	1.847−02	0.000−00	0.000−00	0.000−00
16	22	2.437+03	1.819−02	3.240−11	5.587−03	6.994−00	1.246−08	1.501−02
16	23	8.734+02	0.000−00	0.000−00	0.000−00	2.697+01	3.084−09	1.332−03
16	24	7.617+02	7.851−01	1.366−10	7.188−04	2.261+02	3.933−08	1.481−02
16	25	5.118+02	0.000−00	0.000−00	0.000−00	1.737+02	6.818−09	1.726−03
16	68	1.886+02	0.000−00	0.000−00	0.000−00	4.846−01	2.583−12	2.408−07
16	69	1.858+02	7.847+02	8.121−09	6.202−04	1.874−00	1.939−11	1.781−06
16	71	1.816+02	1.799+03	2.668−08	1.902−03	0.000−00	0.000−00	0.000−00
16	77	1.741+02	2.711+03	3.695−08	2.322−03	0.000−00	0.000−00	0.000−00
16	78	1.728+02	3.966+02	3.551−09	2.182−04	1.972−00	1.766−11	1.509−06
16	80	1.706+02	1.347+01	1.762−10	1.041−05	0.000−00	0.000−00	0.000−00
16	81	1.691+02	0.000−00	0.000−00	0.000−00	2.332−01	9.997−13	8.361−08
16	83	1.650+02	0.000−00	0.000−00	0.000−00	1.192−00	4.868−12	3.973−07
16	84	1.639+02	2.804+02	2.259−09	1.186−04	1.163−00	9.368−12	7.595−07
16	86	1.626+02	4.499+03	3.568−08	1.829−03	3.160−02	2.506−13	2.016−08
16	88	1.616+02	3.441+01	4.039−10	2.029−05	0.000−00	0.000−00	0.000−00
16	89	1.614+02	1.314+03	1.539−08	7.707−04	0.000−00	0.000−00	0.000−00
16	90	1.598+02	1.289+02	9.872−10	4.801−05	1.508−00	1.155−11	9.130−07
16	92	1.584+02	4.180−00	3.146−11	1.491−06	2.020−00	1.521−11	1.191−06
16	93	1.570+02	9.172−00	1.017−10	4.684−06	0.000−00	0.000−00	0.000−00
16	95	1.558+02	1.049+03	1.145−08	5.153−04	0.000−00	0.000−00	0.000−00
16	97	1.545+02	0.000−00	0.000−00	0.000−00	9.592−01	3.434−12	2.624−07
16	98	1.527+02	2.707+03	1.892−08	8.017−04	2.294−01	1.603−12	1.210−07
16	99	1.522+02	1.196+04	1.245−07	5.226−03	0.000−00	0.000−00	0.000−00
16	100	1.510+02	3.446+03	2.355−08	9.654−04	1.475−03	1.008−14	7.529−10
16	101	1.511+02	2.805+05	2.879−06	1.182−01	0.000−00	0.000−00	0.000−00
16	102	1.486+02	6.389+03	6.348−08	2.482−03	0.000−00	0.000−00	0.000−00
16	103	1.484+02	0.000−00	0.000−00	0.000−00	3.623−01	1.196−12	8.781−08
16	104	1.472+02	3.804+04	2.473−07	9.402−03	4.614−00	2.999−11	2.184−06
16	105	1.467+02	0.000−00	0.000−00	0.000−00	3.470−01	1.120−12	8.124−08
16	107	1.456+02	1.918+05	1.828−06	6.715−02	0.000−00	0.000−00	0.000−00
16	110	1.423+02	1.778+05	1.080−06	3.711−02	3.515−00	2.136−11	1.503−06
16	112	1.400+02	1.065+05	6.259−07	2.047−02	9.220−01	5.420−12	3.753−07
16	113	1.383+02	1.344+04	1.157−07	3.649−03	0.000−00	0.000−00	0.000−00
16	114	1.370+02	1.287+05	1.086−06	3.326−02	0.000−00	0.000−00	0.000−00
16	115	1.365+02	0.000−00	0.000−00	0.000−00	3.029−01	8.460−13	5.710−08
16	117	1.360+02	2.888+05	1.601−06	4.796−02	3.946−01	2.188−12	1.471−07
16	118	1.353+02	9.507+03	7.826−08	2.308−03	0.000−00	0.000−00	0.000−00
16	119	1.347+02	6.228+03	3.388−08	9.866−04	2.159−01	1.174−12	7.824−08
16	120	1.347+02	0.000−00	0.000−00	0.000−00	1.414−00	3.845−12	2.561−07
16	122	1.338+02	6.604+02	5.321−09	1.520−04	0.000−00	0.000−00	0.000−00
16	123	1.333+02	1.368+04	7.285−08	2.055−03	5.884−00	3.134−11	2.066−06
16	124	1.290+02	8.204+04	4.094−07	1.047−02	6.843+01	3.415−10	2.178−05
16	125	1.289+02	1.116+04	8.341−08	2.127−03	0.000−00	0.000−00	0.000−00
16	126	1.282+02	0.000−00	0.000−00	0.000−00	2.579+01	6.360−11	4.034−06
16	127	1.250+02	2.855+04	1.337−07	3.110−03	2.976−03	1.394−14	8.615−10
16	128	1.217+02	0.000−00	0.000−00	0.000−00	8.694−01	1.931−12	1.162−07
16	130	1.196+02	3.945+03	2.537−08	5.167−04	0.000−00	0.000−00	0.000−00
16	131	1.191+02	4.015+03	1.709−08	3.441−04	2.362+01	1.005−10	5.922−06

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
16	132	1.165+02	0.000−00	0.000−00	0.000−00	1.956+01	3.979−11	2.292−06
16	133	1.139+02	2.358+02	9.178−10	1.617−05	2.006−02	7.810−14	4.401−09
16	134	1.131+02	1.090+03	6.265−09	1.078−04	0.000−00	0.000−00	0.000−00
17	18	3.094+04	4.088−07	2.934−14	2.070−02	1.940−02	1.392−09	4.260−02
17	19	6.638+03	8.233−04	8.157−12	5.684−02	1.369+01	1.356−07	8.905−01
17	20	7.095+03	2.584−03	1.950−11	1.659−01	1.544−01	1.165−09	8.177−03
17	21	4.619+03	9.360−03	4.490−11	1.054−01	1.080+02	5.179−07	2.366−00
17	22	3.259+03	4.254−03	6.775−12	5.589−03	1.715−01	2.731−10	8.804−04
17	23	9.602+02	1.103+01	7.625−10	1.608−02	2.256+01	1.559−09	1.481−03
17	24	8.268+02	2.363−00	2.422−10	3.262−03	8.486−01	8.698−11	7.114−05
17	25	5.404+02	8.446+01	1.849−09	6.951−03	1.678+02	3.673−09	1.963−03
17	68	1.923+02	5.041+01	1.397−10	2.368−05	4.670−00	1.294−11	2.462−06
17	69	1.894+02	5.497+02	2.957−09	4.787−04	8.787−01	4.726−12	8.855−07
17	71	1.850+02	9.588+02	7.382−09	1.114−03	3.209−00	2.471−11	4.522−06
17	72	1.806+02	1.519+03	1.486−08	2.086−03	0.000−00	0.000−00	0.000−00
17	74	1.795+02	2.398+02	2.316−09	3.189−04	0.000−00	0.000−00	0.000−00
17	77	1.773+02	3.142+01	2.221−10	2.948−05	1.835−01	1.297−12	2.274−07
17	78	1.759+02	2.686+03	1.246−08	1.617−03	2.378−00	1.104−11	1.920−06
17	79	1.739+02	2.104+03	1.908−08	2.389−03	0.000−00	0.000−00	0.000−00
17	80	1.736+02	9.491+02	6.433−09	8.022−04	7.380−01	5.003−12	8.590−07
17	81	1.721+02	1.514+04	3.363−08	4.085−03	4.829−02	1.072−13	1.826−08
17	82	1.699+02	5.152+03	4.459−08	5.211−03	0.000−00	0.000−00	0.000−00
17	83	1.679+02	2.594+02	5.480−10	6.178−05	1.065−01	2.250−13	3.735−08
17	84	1.668+02	6.886−02	2.871−13	3.172−08	8.329−02	3.473−13	5.728−08
17	86	1.654+02	3.670+03	1.506−08	1.624−03	1.490−02	6.111−14	9.998−09
17	87	1.650+02	1.346+02	1.100−09	1.178−04	0.000−00	0.000−00	0.000−00
17	88	1.643+02	1.093+03	6.637−09	7.014−04	4.671−01	2.836−12	4.609−07
17	89	1.641+02	1.244+02	7.535−10	7.939−05	9.435−01	5.716−12	9.280−07
17	90	1.625+02	1.686+02	6.673−10	6.823−05	1.970−00	7.801−12	1.254−06
17	92	1.611+02	2.460+02	9.570−10	9.530−05	1.570−01	6.107−13	9.730−08
17	93	1.596+02	1.623+02	9.291−10	8.995−05	3.141−00	1.798−11	2.838−06
17	94	1.590+02	9.961+01	7.553−10	7.237−05	0.000−00	0.000−00	0.000−00
17	95	1.583+02	4.584−00	2.583−11	2.442−06	4.180−01	2.356−12	3.689−07
17	96	1.577+02	1.944+02	1.450−09	1.356−04	0.000−00	0.000−00	0.000−00
17	97	1.570+02	1.617+03	2.989−09	2.758−04	1.909−01	3.528−13	5.480−08
17	98	1.551+02	4.415+03	1.592−08	1.416−03	7.124−01	2.570−12	3.942−07
17	99	1.546+02	2.095+01	1.126−10	9.911−06	1.016−02	5.460−14	8.349−09
17	100	1.534+02	4.949+03	1.745−08	1.500−03	9.010−01	3.177−12	4.820−07
17	101	1.534+02	1.365+05	7.230−07	6.224−02	2.410−00	1.276−11	1.937−06
17	102	1.509+02	7.128+04	3.652−07	2.993−02	6.455−00	3.307−11	4.937−06
17	103	1.507+02	3.523+04	6.000−08	4.895−03	1.386−03	2.360−15	3.519−10
17	104	1.495+02	8.956+03	3.002−08	2.390−03	9.278−03	3.110−14	4.599−09
17	105	1.490+02	7.520+03	1.251−08	9.854−04	1.751−01	2.913−13	4.292−08
17	106	1.490+02	5.223+05	3.478−06	2.743−01	0.000−00	0.000−00	0.000−00
17	107	1.478+02	1.126+03	5.532−09	4.254−04	7.972−01	3.916−12	5.724−07
17	108	1.457+02	1.099+04	6.996−08	5.159−03	0.000−00	0.000−00	0.000−00
17	110	1.445+02	5.867+03	1.836−08	1.319−03	1.825−02	5.712−14	8.162−09
17	112	1.421+02	1.892+05	5.726−07	3.913−02	5.485−00	1.660−11	2.333−06
17	113	1.404+02	5.099+04	2.259−07	1.488−02	1.352−00	5.990−12	8.314−07
17	114	1.390+02	3.823+05	1.660−06	1.061−01	1.550+01	6.730−11	9.250−06

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
17	115	1.384+02	6.646+04	9.549−08	6.036−03	2.216−01	3.183−13	4.358−08
17	116	1.382+02	1.809+04	1.036−07	6.521−03	0.000−00	0.000−00	0.000−00
17	117	1.379+02	2.175+05	6.204−07	3.878−02	2.591−00	7.389−12	1.008−06
17	118	1.372+02	3.754+03	1.589−08	9.780−04	8.037−01	3.403−12	4.618−07
17	119	1.366+02	3.211+04	8.983−08	5.456−03	2.529−00	7.075−12	9.559−07
17	120	1.366+02	5.444+04	7.611−08	4.619−03	1.368+01	1.912−11	2.583−06
17	121	1.362+02	8.598+04	4.784−07	2.881−02	0.000−00	0.000−00	0.000−00
17	122	1.357+02	1.043+04	4.322−08	2.574−03	2.344−00	9.711−12	1.304−06
17	123	1.351+02	8.131+04	2.226−07	1.309−02	3.448−01	9.442−13	1.262−07
17	124	1.308+02	2.348+05	6.017−07	3.204−02	1.419+01	3.638−11	4.705−06
17	125	1.306+02	6.958+03	2.670−08	1.418−03	1.252+01	4.804−11	6.207−06
17	126	1.300+02	6.329+05	8.014−07	4.192−02	1.962−06	2.484−18	3.193−13
17	127	1.266+02	1.452+03	3.491−09	1.688−04	2.755+01	6.622−11	8.294−06
17	128	1.232+02	1.904+04	2.169−08	9.674−04	1.226+01	1.397−11	1.702−06
17	129	1.229+02	8.234−00	3.727−11	1.647−06	0.000−00	0.000−00	0.000−00
17	130	1.211+02	2.035+03	6.709−09	2.837−04	1.851+01	6.101−11	7.306−06
17	131	1.206+02	5.442+03	1.187−08	4.961−04	2.229−03	4.860−15	5.798−10
17	132	1.179+02	9.420+04	9.816−08	3.833−03	4.408−00	4.593−12	5.356−07
17	133	1.153+02	2.772+02	5.526−10	2.018−05	5.756−02	1.147−13	1.308−08
17	134	1.144+02	1.966+03	5.785−09	2.063−04	4.915−00	1.446−11	1.636−06
18	19	8.451+03	2.269−07	7.287−15	5.239−05	0.000−00	0.000−00	0.000−00
18	20	9.206+03	5.774−06	1.467−13	1.364−03	6.396−00	1.625−07	7.399−01
18	21	5.429+03	5.229−03	6.932−11	1.321−01	0.000−00	0.000−00	0.000−00
18	22	3.643+03	1.974−03	7.857−12	4.526−03	3.098+01	1.233−07	2.221−01
18	23	9.909+02	0.000−00	0.000−00	0.000−00	3.938+03	5.798−07	2.841−01
18	24	8.495+02	1.069−01	2.313−11	1.689−04	4.313+02	9.334−08	3.922−02
18	25	5.500+02	0.000−00	0.000−00	0.000−00	1.588+03	7.199−08	1.958−02
18	68	1.935+02	0.000−00	0.000−00	0.000−00	6.267−01	3.518−12	3.367−07
18	69	1.906+02	2.041+03	2.223−08	1.833−03	4.410−01	4.803−12	4.527−07
18	71	1.861+02	2.377+03	3.705−08	2.846−03	0.000−00	0.000−00	0.000−00
18	77	1.783+02	2.954+04	4.223−07	2.851−02	0.000−00	0.000−00	0.000−00
18	78	1.769+02	2.142+04	2.011−07	1.327−02	8.156−02	7.657−13	6.700−08
18	80	1.746+02	1.900+04	2.605−07	1.651−02	0.000−00	0.000−00	0.000−00
18	81	1.731+02	0.000−00	0.000−00	0.000−00	1.440+01	6.469−11	5.537−06
18	83	1.688+02	0.000−00	0.000−00	0.000−00	9.436−00	4.031−11	3.365−06
18	84	1.677+02	7.419+01	6.254−10	3.512−05	1.092+01	9.202−11	7.630−06
18	86	1.663+02	2.528+03	2.097−08	1.149−03	1.022+01	8.478−11	6.973−06
18	88	1.652+02	2.066+02	2.535−09	1.361−04	0.000−00	0.000−00	0.000−00
18	89	1.650+02	3.682+02	4.510−09	2.414−04	0.000−00	0.000−00	0.000−00
18	90	1.634+02	3.293+04	2.635−07	1.369−02	1.026−00	8.212−12	6.634−07
18	92	1.619+02	8.199+03	6.446−08	3.260−03	2.270−00	1.785−11	1.429−06
18	93	1.604+02	2.266+04	2.623−07	1.289−02	0.000−00	0.000−00	0.000−00
18	95	1.591+02	4.668+03	5.315−08	2.551−03	0.000−00	0.000−00	0.000−00
18	97	1.578+02	0.000−00	0.000−00	0.000−00	2.698−00	1.008−11	7.867−07
18	98	1.559+02	9.198+03	6.702−08	3.025−03	1.044−01	7.609−13	5.866−08
18	99	1.554+02	3.280+04	3.561−07	1.591−02	0.000−00	0.000−00	0.000−00
18	100	1.541+02	1.860+03	1.325−08	5.779−04	3.097−00	2.206−11	1.682−06
18	101	1.542+02	1.373+03	1.469−08	6.418−04	0.000−00	0.000−00	0.000−00
18	102	1.517+02	6.266+04	6.485−07	2.696−02	0.000−00	0.000−00	0.000−00
18	103	1.515+02	0.000−00	0.000−00	0.000−00	7.331−01	2.521−12	1.889−07

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
18	104	1.502+02	8.018+04	5.427−07	2.192−02	4.704−00	3.184−11	2.366−06
18	105	1.497+02	0.000−00	0.000−00	0.000−00	4.410−00	1.482−11	1.097−06
18	107	1.485+02	5.325+03	5.281−08	2.060−03	0.000−00	0.000−00	0.000−00
18	110	1.451+02	9.019+03	5.698−08	2.076−03	1.974−00	1.247−11	8.949−07
18	112	1.427+02	2.211+05	1.351−06	4.680−02	2.224−01	1.358−12	9.588−08
18	113	1.410+02	3.662+05	3.274−06	1.093−01	0.000−00	0.000−00	0.000−00
18	114	1.396+02	9.475+03	8.303−08	2.690−03	0.000−00	0.000−00	0.000−00
18	115	1.391+02	0.000−00	0.000−00	0.000−00	4.806−00	1.393−11	9.583−07
18	117	1.385+02	6.502+02	3.741−09	1.185−04	2.653+01	1.527−10	1.046−05
18	118	1.378+02	4.435+02	3.789−09	1.182−04	0.000−00	0.000−00	0.000−00
18	119	1.372+02	6.288+03	3.550−08	1.092−03	3.639−01	2.054−12	1.394−07
18	120	1.372+02	0.000−00	0.000−00	0.000−00	3.880−00	1.095−11	7.425−07
18	122	1.363+02	2.434+04	2.034−07	6.139−03	0.000−00	0.000−00	0.000−00
18	123	1.357+02	4.897+04	2.705−07	8.060−03	1.071+01	5.916−11	3.971−06
18	124	1.313+02	1.834+05	9.479−07	2.556−02	1.818−01	9.399−13	6.104−08
18	125	1.312+02	3.671+03	2.842−08	7.641−04	0.000−00	0.000−00	0.000−00
18	126	1.305+02	0.000−00	0.000−00	0.000−00	2.955+01	7.548−11	4.872−06
18	127	1.271+02	2.930+03	1.420−08	3.476−04	1.189−00	5.760−12	3.622−07
18	128	1.238+02	0.000−00	0.000−00	0.000−00	2.164+01	4.968−11	3.040−06
18	130	1.216+02	1.559+04	1.036−07	2.216−03	0.000−00	0.000−00	0.000−00
18	131	1.211+02	4.504+03	1.980−08	4.187−04	5.168−00	2.272−11	1.361−06
18	132	1.183+02	0.000−00	0.000−00	0.000−00	1.555+01	3.265−11	1.911−06
18	133	1.157+02	2.768+04	1.112−07	2.053−03	3.066−00	1.232−11	7.049−07
18	134	1.148+02	1.137+04	6.740−08	1.215−03	0.000−00	0.000−00	0.000−00
19	21	1.518+04	1.146−06	3.962−14	4.955−03	1.648−01	5.694−09	1.283−01
19	22	6.404+03	1.961−03	8.037−12	7.542−02	1.075+01	4.405−08	4.185−01
19	23	1.123+03	1.562+01	9.836−10	4.972−02	0.000−00	0.000−00	0.000−00
19	24	9.445+02	3.128−01	2.789−11	8.397−04	1.238+04	1.104−06	1.547−00
19	25	5.883+02	1.988+02	3.439−09	2.502−02	0.000−00	0.000−00	0.000−00
19	68	1.980+02	1.237+02	2.425−10	6.732−05	0.000−00	0.000−00	0.000−00
19	69	1.950+02	3.786+02	1.438−09	3.811−04	2.739−01	1.041−12	3.011−07
19	71	1.903+02	4.065+02	2.208−09	5.441−04	5.013−03	2.722−14	7.688−09
19	72	1.857+02	5.007+03	3.451−08	7.895−03	1.275−01	8.786−13	2.420−07
19	73	1.849+02	3.466+02	2.961−09	6.689−04	0.000−00	0.000−00	0.000−00
19	74	1.844+02	3.810+03	2.591−08	5.812−03	1.504−01	1.023−12	2.798−07
19	77	1.821+02	6.222+04	3.095−07	6.682−02	1.442−01	7.173−13	1.938−07
19	78	1.807+02	7.189+04	2.347−07	4.951−02	8.790−00	2.869−11	7.694−06
19	79	1.786+02	1.225+05	7.805−07	1.588−01	3.326−01	2.120−12	5.615−07
19	80	1.783+02	4.412+04	2.102−07	4.258−02	5.097−01	2.429−12	6.424−07
19	81	1.767+02	4.108+04	6.410−08	1.264−02	0.000−00	0.000−00	0.000−00
19	82	1.744+02	1.882+03	1.144−08	2.167−03	3.508−01	2.132−12	5.515−07
19	83	1.722+02	1.581+03	2.343−09	4.279−04	0.000−00	0.000−00	0.000−00
19	84	1.711+02	6.961+02	2.036−09	3.642−04	1.992−02	5.825−14	1.478−08
19	85	1.712+02	1.258+03	9.213−09	1.651−03	0.000−00	0.000−00	0.000−00
19	86	1.696+02	5.463+01	1.572−10	2.742−05	8.159−01	2.347−12	5.907−07
19	87	1.692+02	1.180+04	6.759−08	1.171−02	2.664+01	1.525−10	3.830−05
19	88	1.685+02	1.820+03	7.743−09	1.323−03	2.922−02	1.244−13	3.108−08
19	89	1.683+02	2.445+02	1.038−09	1.769−04	1.535−04	6.517−16	1.627−10
19	90	1.666+02	1.702+04	4.721−08	7.800−03	2.159−04	5.987−16	1.480−10
19	91	1.654+02	3.768+02	2.574−09	4.159−04	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
19	92	1.651+02	1.900+04	5.175−08	8.321−03	1.135+01	3.092−11	7.574−06
19	93	1.635+02	1.324+03	5.305−09	8.286−04	2.011−00	8.060−12	1.955−06
19	94	1.629+02	6.433+01	3.414−10	5.277−05	1.327+01	7.044−11	1.703−05
19	95	1.622+02	2.140+03	8.439−09	1.287−03	1.983+01	7.817−11	1.881−05
19	96	1.616+02	5.288+03	2.759−08	4.158−03	1.380−01	7.202−13	1.726−07
19	97	1.608+02	2.487+03	3.215−09	4.781−04	0.000−00	0.000−00	0.000−00
19	98	1.588+02	1.905+02	4.803−10	6.876−05	1.887−00	4.757−12	1.121−06
19	99	1.583+02	2.409+03	9.049−09	1.282−03	3.660−01	1.375−12	3.228−07
19	100	1.570+02	5.943+03	1.464−08	2.025−03	4.294−00	1.058−11	2.464−06
19	101	1.571+02	2.215+03	8.195−09	1.135−03	9.680−01	3.581−12	8.345−07
19	102	1.545+02	6.467+04	2.313−07	3.046−02	1.259−00	4.502−12	1.032−06
19	103	1.542+02	1.203+04	1.430−08	1.875−03	0.000−00	0.000−00	0.000−00
19	104	1.530+02	6.118+02	1.431−09	1.830−04	8.618−01	2.015−12	4.574−07
19	105	1.524+02	4.436+04	5.148−08	6.511−03	0.000−00	0.000−00	0.000−00
19	106	1.524+02	2.703+04	1.256−07	1.590−02	2.745−01	1.275−12	2.884−07
19	107	1.511+02	7.866+03	2.694−08	3.325−03	3.529−00	1.209−11	2.711−06
19	108	1.490+02	2.558+04	1.135−07	1.342−02	5.880−00	2.610−11	5.769−06
19	109	1.485+02	2.172+05	1.197−06	1.400−01	0.000−00	0.000−00	0.000−00
19	110	1.477+02	5.349+04	1.166−07	1.342−02	7.957−00	1.735−11	3.801−06
19	111	1.458+02	2.406+05	1.279−06	1.417−01	0.000−00	0.000−00	0.000−00
19	112	1.452+02	1.876+04	3.953−08	4.323−03	5.065−00	1.067−11	2.299−06
19	113	1.434+02	1.783+05	5.494−07	5.787−02	7.838−02	2.416−13	5.139−08
19	114	1.419+02	7.984+04	2.411−07	2.464−02	3.076−02	9.291−14	1.956−08
19	115	1.414+02	5.755+05	5.749−07	5.807−02	0.000−00	0.000−00	0.000−00
19	116	1.412+02	7.912+04	3.152−07	3.169−02	6.939−01	2.764−12	5.790−07
19	117	1.409+02	3.016+04	5.980−08	5.972−03	4.252−03	8.430−15	1.762−09
19	118	1.401+02	4.023+04	1.184−07	1.164−02	2.669−00	7.854−12	1.633−06
19	119	1.395+02	4.382+03	8.521−09	8.263−04	1.766−00	3.435−12	7.108−07
19	120	1.394+02	4.425+04	4.300−08	4.166−03	0.000−00	0.000−00	0.000−00
19	121	1.391+02	1.730+05	6.688−07	6.430−02	9.454−01	3.655−12	7.542−07
19	122	1.386+02	3.957+04	1.139−07	1.082−02	2.311−01	6.652−13	1.367−07
19	123	1.380+02	4.087+05	7.775−07	7.295−02	1.567−02	2.981−14	6.102−09
19	124	1.334+02	5.133+04	9.127−08	7.740−03	1.586+01	2.821−11	5.581−06
19	125	1.332+02	1.252+04	3.332−08	2.817−03	6.765−01	1.801−12	3.560−07
19	126	1.326+02	2.386+04	2.095−08	1.745−03	0.000−00	0.000−00	0.000−00
19	127	1.291+02	3.582+03	5.965−09	4.585−04	2.091+01	3.483−11	6.670−06
19	128	1.256+02	1.342+04	1.058−08	7.489−04	0.000−00	0.000−00	0.000−00
19	129	1.252+02	1.392+04	4.361−08	3.058−03	1.167−01	3.655−13	6.788−08
19	130	1.233+02	2.117+04	4.827−08	3.236−03	7.230−00	1.648−11	3.016−06
19	131	1.228+02	8.076+02	1.218−09	8.070−05	3.006+01	4.534−11	8.263−06
19	132	1.200+02	2.942+03	2.118−09	1.309−04	0.000−00	0.000−00	0.000−00
19	133	1.173+02	1.212+02	1.668−10	9.634−06	1.919−00	2.642−12	4.599−07
19	134	1.164+02	2.375+03	4.824−09	2.719−04	4.333−01	8.802−13	1.520−07
20	21	1.323+04	2.446−05	9.631−13	5.317−02	1.225−00	4.825−08	6.315−01
20	22	6.029+03	1.388−04	7.562−13	3.948−03	2.138−00	1.165−08	6.949−02
20	23	1.110+03	2.912−01	2.691−11	8.781−04	2.208+03	2.041−07	2.242−01
20	24	9.359+02	9.512−01	1.249−10	2.440−03	7.954+01	1.045−08	9.670−03
20	25	5.849+02	2.608−01	6.689−12	3.190−05	2.259+02	5.795−09	3.353−03
20	68	1.977+02	3.052+02	8.939−10	1.645−04	9.071−01	2.656−12	5.193−07
20	69	1.946+02	1.669+02	9.476−10	1.664−04	2.551−01	1.449−12	2.789−07

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
20	71	1.900+02	6.818−00	5.534−11	9.041−06	9.808−02	7.961−13	1.496−07
20	72	1.854+02	1.168+02	1.203−09	1.826−04	0.000−00	0.000−00	0.000−00
20	74	1.841+02	3.272+03	3.326−08	4.946−03	0.000−00	0.000−00	0.000−00
20	77	1.818+02	7.775+02	5.780−09	8.277−04	2.639−01	1.962−12	3.528−07
20	78	1.804+02	9.589+03	4.679−08	6.547−03	3.953−01	1.929−12	3.442−07
20	79	1.782+02	8.656+03	8.246−08	1.113−02	0.000−00	0.000−00	0.000−00
20	80	1.780+02	1.116+02	7.947−10	1.067−04	2.184−02	1.556−13	2.739−08
20	81	1.764+02	2.235+04	5.212−08	6.816−03	1.486−00	3.466−12	6.047−07
20	82	1.741+02	2.640+02	2.398−09	3.014−04	0.000−00	0.000−00	0.000−00
20	83	1.719+02	2.036+03	4.512−09	5.466−04	8.039−01	1.782−12	3.030−07
20	84	1.708+02	6.016+02	2.631−09	3.122−04	2.920−00	1.277−11	2.156−06
20	86	1.694+02	1.214+01	5.219−11	6.041−06	7.916−01	3.404−12	5.703−07
20	87	1.690+02	4.619+03	3.954−08	4.545−03	0.000−00	0.000−00	0.000−00
20	88	1.682+02	1.486+03	9.455−09	1.072−03	1.300−00	8.273−12	1.376−06
20	89	1.680+02	1.261+03	8.008−09	9.051−04	6.577−01	4.176−12	6.940−07
20	90	1.663+02	5.555+03	2.304−08	2.525−03	3.983−02	1.652−13	2.717−08
20	92	1.648+02	9.232+02	3.760−09	4.012−04	3.813−00	1.553−11	2.532−06
20	93	1.632+02	2.068+03	1.239−08	1.284−03	3.728−00	2.234−11	3.607−06
20	94	1.627+02	3.532+02	2.803−09	2.874−04	0.000−00	0.000−00	0.000−00
20	95	1.619+02	6.240+02	3.679−09	3.721−04	2.955−05	1.742−16	2.790−11
20	96	1.613+02	6.157+03	4.804−08	4.804−03	0.000−00	0.000−00	0.000−00
20	97	1.606+02	1.275+04	2.464−08	2.432−03	3.751−00	7.251−12	1.152−06
20	98	1.586+02	1.328+03	5.008−09	4.758−04	1.828−01	6.890−13	1.081−07
20	99	1.580+02	6.624−01	3.720−12	3.499−07	1.817−01	1.020−12	1.595−07
20	100	1.568+02	9.221+03	3.397−08	3.118−03	2.040−00	7.518−12	1.166−06
20	101	1.568+02	1.908+02	1.055−09	9.701−05	4.267−04	2.360−15	3.662−10
20	102	1.542+02	5.398+04	2.887−07	2.523−02	9.023−02	4.826−13	7.362−08
20	103	1.540+02	2.409+03	4.283−09	3.727−04	9.777−01	1.738−12	2.648−07
20	104	1.527+02	2.822+04	9.869−08	8.378−03	3.017−00	1.055−11	1.594−06
20	105	1.522+02	5.022+03	8.716−09	7.317−04	1.515+01	2.630−11	3.958−06
20	106	1.522+02	3.988+03	2.771−08	2.328−03	0.000−00	0.000−00	0.000−00
20	107	1.509+02	4.408+04	2.258−07	1.850−02	2.909−01	1.490−12	2.225−07
20	108	1.488+02	4.809+05	3.192−06	2.505−01	0.000−00	0.000−00	0.000−00
20	110	1.475+02	1.206+04	3.931−08	3.004−03	1.618−00	5.277−12	7.698−07
20	112	1.450+02	4.377+03	1.379−08	1.001−03	1.400−02	4.413−14	6.329−09
20	113	1.432+02	1.518+03	6.997−09	4.893−04	5.458−04	2.516−15	3.563−10
20	114	1.417+02	3.541+03	1.600−08	1.085−03	1.942−01	8.771−13	1.230−07
20	115	1.412+02	8.687+03	1.298−08	8.706−04	1.771+01	2.646−11	3.696−06
20	116	1.410+02	5.628+04	3.354−07	2.239−02	0.000−00	0.000−00	0.000−00
20	117	1.406+02	7.931+02	2.352−09	1.560−04	2.401−00	7.122−12	9.908−07
20	118	1.399+02	4.728+05	2.082−06	1.358−01	4.047−00	1.781−11	2.465−06
20	119	1.393+02	4.788+05	1.393−06	8.968−02	5.785−01	1.683−12	2.318−07
20	120	1.392+02	5.596+05	8.134−07	5.233−02	2.763−02	4.017−14	5.532−09
20	121	1.389+02	7.375+04	4.266−07	2.723−02	0.000−00	0.000−00	0.000−00
20	122	1.384+02	6.842+04	2.946−07	1.859−02	2.090−05	9.000−17	1.232−11
20	123	1.378+02	4.811+04	1.369−07	8.530−03	7.431−01	2.114−12	2.881−07
20	124	1.332+02	8.940+02	2.378−09	1.339−04	1.918−02	5.102−14	6.722−09
20	125	1.331+02	5.433+04	2.164−07	1.215−02	1.010+01	4.024−11	5.297−06
20	126	1.324+02	1.644+04	2.161−08	1.195−03	2.826−01	3.713−13	4.862−08
20	127	1.289+02	9.218+04	2.297−07	1.173−02	3.319+01	8.271−11	1.055−05

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
20	128	1.254+02	6.366+04	7.507−08	3.530−03	1.148+02	1.354−10	1.680−05
20	129	1.250+02	3.380+02	1.584−09	7.380−05	0.000−00	0.000−00	0.000−00
20	130	1.232+02	1.067+04	3.641−08	1.621−03	4.759−00	1.624−11	1.978−06
20	131	1.227+02	3.388+04	7.647−08	3.365−03	1.387+01	3.131−11	3.799−06
20	132	1.199+02	4.799+03	5.171−09	2.123−04	1.174−01	1.265−13	1.500−08
20	133	1.172+02	3.257+01	6.708−11	2.574−06	4.324−00	8.905−12	1.032−06
20	134	1.163+02	8.587+03	2.610−08	9.775−04	4.897−01	1.489−12	1.712−07
21	22	1.108+04	1.559−04	1.911−12	9.277−02	4.256−01	5.217−09	8.572−02
21	23	1.212+03	5.861−01	4.304−11	2.740−03	0.000−00	0.000−00	0.000−00
21	24	1.007+03	1.663−00	1.686−10	6.155−03	2.163+03	2.193−07	3.277−01
21	25	6.120+02	1.223+02	2.288−09	1.875−02	0.000−00	0.000−00	0.000−00
21	68	2.007+02	7.613+01	1.532−10	4.423−05	0.000−00	0.000−00	0.000−00
21	69	1.975+02	5.943+01	2.317−10	6.382−05	1.877−00	7.320−12	2.145−06
21	71	1.928+02	1.468+02	8.177−10	2.093−04	1.385−00	7.717−12	2.207−06
21	72	1.880+02	1.945+02	1.374−09	3.262−04	4.192−00	2.961−11	8.257−06
21	73	1.872+02	3.653−00	3.198−11	7.496−06	0.000−00	0.000−00	0.000−00
21	74	1.867+02	5.619+03	3.916−08	9.111−03	7.078−00	4.933−11	1.366−05
21	77	1.844+02	1.928+04	9.825−08	2.200−02	5.199−02	2.649−13	7.245−08
21	78	1.829+02	1.469+04	4.913−08	1.074−02	4.312−00	1.442−11	3.912−06
21	79	1.807+02	3.216+04	2.098−07	4.423−02	2.732−02	1.783−13	4.780−08
21	80	1.804+02	1.201+04	5.858−08	1.229−02	9.365−04	4.569−15	1.223−09
21	81	1.788+02	5.564+03	8.887−09	1.815−03	0.000−00	0.000−00	0.000−00
21	82	1.764+02	2.504+03	1.557−08	3.054−03	2.811−00	1.749−11	4.576−06
21	83	1.742+02	3.909+02	5.930−10	1.121−04	0.000−00	0.000−00	0.000−00
21	84	1.730+02	8.836+02	2.644−09	4.893−04	1.377−02	4.120−14	1.058−08
21	85	1.731+02	3.942+03	2.952−08	5.475−03	0.000−00	0.000−00	0.000−00
21	86	1.716+02	6.656+01	1.958−10	3.534−05	7.586−01	2.232−12	5.681−07
21	87	1.712+02	7.977+03	4.671−08	8.371−03	7.500−00	4.392−11	1.115−05
21	88	1.704+02	1.034+03	4.501−09	7.955−04	4.175−00	1.817−11	4.593−06
21	89	1.702+02	2.159+02	9.374−10	1.651−04	1.926−01	8.361−13	2.111−07
21	90	1.684+02	1.213+03	3.440−09	5.875−04	1.450−00	4.112−12	1.028−06
21	91	1.672+02	1.209+02	8.443−10	1.410−04	0.000−00	0.000−00	0.000−00
21	92	1.669+02	1.347+03	3.750−09	6.231−04	1.194+01	3.325−11	8.233−06
21	93	1.653+02	2.024−00	8.291−12	1.338−06	2.086−00	8.543−12	2.095−06
21	94	1.647+02	1.237+01	6.706−11	1.071−05	7.764−00	4.210−11	1.029−05
21	95	1.639+02	2.980+02	1.201−09	1.890−04	4.470−00	1.801−11	4.379−06
21	96	1.633+02	2.468+03	1.315−08	2.047−03	3.843−01	2.049−12	4.964−07
21	97	1.626+02	1.633+02	2.157−10	3.312−05	0.000−00	0.000−00	0.000−00
21	98	1.605+02	4.849+02	1.248−09	1.845−04	4.182−02	1.077−13	2.564−08
21	99	1.599+02	1.221+03	4.684−09	6.849−04	5.886−01	2.257−12	5.357−07
21	100	1.586+02	1.046+02	2.632−10	3.755−05	4.121−00	1.037−11	2.440−06
21	101	1.587+02	1.263+04	4.771−08	6.818−03	3.006−01	1.135−12	2.674−07
21	102	1.561+02	8.084+02	2.951−09	4.007−04	6.120−01	2.234−12	5.172−07
21	103	1.558+02	1.544+03	1.873−09	2.532−04	0.000−00	0.000−00	0.000−00
21	104	1.545+02	4.143+02	9.888−10	1.304−04	5.497−01	1.312−12	3.007−07
21	105	1.539+02	2.012+04	2.383−08	3.107−03	0.000−00	0.000−00	0.000−00
21	106	1.540+02	6.646+04	3.150−07	4.111−02	1.076−00	5.103−12	1.166−06
21	107	1.527+02	8.146−00	2.847−11	3.620−06	4.750−02	1.660−13	3.759−08
21	108	1.505+02	6.990+04	3.164−07	3.853−02	2.710+01	1.227−10	2.739−05
21	109	1.499+02	4.164+05	2.340−06	2.819−01	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
21	110	1.491+02	5.107+03	1.135−08	1.346−03	2.701−01	6.004−13	1.329−07
21	111	1.472+02	1.569+05	8.501−07	9.699−02	0.000−00	0.000−00	0.000−00
21	112	1.466+02	7.683+02	1.650−09	1.858−04	2.522−01	5.416−13	1.178−07
21	113	1.447+02	6.234+02	1.958−09	2.122−04	1.648−00	5.177−12	1.112−06
21	114	1.433+02	1.591+04	4.897−08	5.147−03	1.120−00	3.448−12	7.329−07
21	115	1.427+02	1.520+03	1.547−09	1.607−04	0.000−00	0.000−00	0.000−00
21	116	1.425+02	1.067+05	4.330−07	4.477−02	3.852−01	1.563−12	3.305−07
21	117	1.422+02	4.963+04	1.002−07	1.029−02	1.399−00	2.826−12	5.960−07
21	118	1.414+02	2.397+04	7.185−08	7.260−03	4.509−00	1.352−11	2.836−06
21	119	1.408+02	7.648+04	1.515−07	1.510−02	4.162−00	8.243−12	1.722−06
21	120	1.407+02	2.963+04	2.933−08	2.921−03	0.000−00	0.000−00	0.000−00
21	121	1.404+02	2.779+05	1.094−06	1.081−01	8.241−00	3.245−11	6.758−06
21	122	1.398+02	3.233+05	9.477−07	9.260−02	1.472−00	4.315−12	8.953−07
21	123	1.392+02	2.674+04	5.180−08	4.996−03	3.845−00	7.449−12	1.539−06
21	124	1.346+02	2.889+03	5.228−09	4.552−04	9.918−00	1.795−11	3.584−06
21	125	1.344+02	2.748+05	7.446−07	6.465−02	2.394+01	6.485−11	1.293−05
21	126	1.337+02	7.664+03	6.850−09	5.855−04	0.000−00	0.000−00	0.000−00
21	127	1.302+02	6.699+05	1.135−06	8.948−02	9.234−01	1.564−12	3.021−07
21	128	1.266+02	1.077+06	8.628−07	6.262−02	0.000−00	0.000−00	0.000−00
21	129	1.262+02	5.582+02	1.778−09	1.278−04	3.417−00	1.088−11	2.038−06
21	130	1.243+02	3.900+04	9.039−08	6.209−03	6.488−03	1.504−14	2.774−09
21	131	1.238+02	1.422+05	2.180−07	1.480−02	7.280−03	1.116−14	2.050−09
21	132	1.210+02	5.049+04	3.694−08	2.338−03	0.000−00	0.000−00	0.000−00
21	133	1.183+02	6.482+02	9.060−10	5.355−05	1.461+01	2.043−11	3.584−06
21	134	1.173+02	9.413+03	1.942−08	1.120−03	5.256−01	1.084−12	1.887−07
22	23	1.361+03	8.631−03	1.199−12	7.203−05	3.528+03	4.899−07	6.596−01
22	24	1.108+03	9.418−02	1.733−11	5.615−04	3.678+03	6.768−07	7.417−01
22	25	6.478+02	1.493+01	4.697−10	3.042−03	6.116+03	1.924−07	1.233−01
22	68	2.044+02	1.492+03	4.671−09	9.499−04	6.403−01	2.004−12	4.051−07
22	69	2.011+02	2.720+02	1.649−09	3.196−04	1.341−00	8.129−12	1.617−06
22	71	1.962+02	2.187+01	1.892−10	3.403−05	1.165−02	1.008−13	1.955−08
22	72	1.912+02	3.026+03	3.318−08	5.528−03	0.000−00	0.000−00	0.000−00
22	74	1.899+02	4.210+03	4.553−08	7.432−03	0.000−00	0.000−00	0.000−00
22	77	1.875+02	1.859+03	1.469−08	2.306−03	3.078−00	2.433−11	4.511−06
22	78	1.860+02	5.899+04	3.059−07	4.689−02	1.873+01	9.712−11	1.787−05
22	79	1.837+02	7.367+04	7.452−07	1.100−01	0.000−00	0.000−00	0.000−00
22	80	1.834+02	1.885+03	1.426−08	2.095−03	2.799−00	2.117−11	3.839−06
22	81	1.817+02	1.767+05	4.374−07	6.253−02	3.632+01	8.989−11	1.615−05
22	82	1.792+02	6.260+03	6.030−08	8.275−03	0.000−00	0.000−00	0.000−00
22	83	1.770+02	1.863+04	4.374−08	5.779−03	1.441+01	3.385−11	5.926−06
22	84	1.758+02	9.902+01	4.586−10	5.932−05	2.548−07	1.180−18	2.051−13
22	86	1.743+02	2.075+03	9.449−09	1.191−03	6.702−00	3.052−11	5.260−06
22	87	1.739+02	1.113+04	1.009−07	1.263−02	0.000−00	0.000−00	0.000−00
22	88	1.730+02	8.896+01	5.989−10	7.392−05	1.202+01	8.091−11	1.385−05
22	89	1.728+02	3.555−01	2.388−12	2.938−07	3.321−00	2.231−11	3.814−06
22	90	1.710+02	4.981+03	2.184−08	2.604−03	1.768−00	7.751−12	1.311−06
22	92	1.695+02	2.409+03	1.037−08	1.203−03	9.201−00	3.961−11	6.639−06
22	93	1.678+02	2.844+01	1.801−10	2.027−05	1.147+01	7.259−11	1.205−05
22	94	1.672+02	1.100+02	9.222−10	1.027−04	0.000−00	0.000−00	0.000−00
22	95	1.664+02	1.144+02	7.123−10	7.818−05	6.882−02	4.285−13	7.052−08

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
22	96	1.657+02	9.238+03	7.609−08	8.254−03	0.000−00	0.000−00	0.000−00
22	97	1.650+02	1.169+04	2.385−08	2.552−03	3.438+01	7.015−11	1.145−05
22	98	1.629+02	3.416+03	1.358−08	1.398−03	1.348+01	5.359−11	8.633−06
22	99	1.623+02	1.482+03	8.776−09	8.937−04	3.594−00	2.129−11	3.417−06
22	100	1.609+02	2.956+02	1.148−09	1.140−04	2.960−01	1.149−12	1.830−07
22	101	1.610+02	3.991+03	2.327−08	2.316−03	6.414−01	3.741−12	5.958−07
22	102	1.583+02	2.530+03	1.425−08	1.347−03	2.817−01	1.587−12	2.484−07
22	103	1.580+02	1.007+03	1.885−09	1.772−04	1.066+01	1.995−11	3.119−06
22	104	1.567+02	4.158+04	1.531−07	1.404−02	1.021+01	3.760−11	5.828−06
22	105	1.561+02	5.391+04	9.847−08	8.925−03	1.114−01	2.035−13	3.142−08
22	106	1.562+02	5.507+03	4.027−08	3.654−03	0.000−00	0.000−00	0.000−00
22	107	1.548+02	2.104+03	1.134−08	1.002−03	1.323−01	7.128−13	1.092−07
22	108	1.526+02	3.685+04	2.571−07	2.175−02	0.000−00	0.000−00	0.000−00
22	110	1.512+02	5.827+03	1.996−08	1.643−03	1.935−01	6.629−13	9.913−08
22	112	1.486+02	1.568+03	5.188−09	4.053−04	1.331−01	4.404−13	6.471−08
22	113	1.467+02	8.683+03	4.200−08	3.157−03	3.666−02	1.773−13	2.573−08
22	114	1.451+02	2.139+04	1.013−07	7.384−03	4.416−00	2.092−11	3.004−06
22	115	1.446+02	4.931+04	7.726−08	5.563−03	5.175−02	8.109−14	1.160−08
22	116	1.444+02	1.824+05	1.140−06	8.167−02	0.000−00	0.000−00	0.000−00
22	117	1.440+02	4.729+03	1.470−08	1.046−03	4.356−00	1.355−11	1.929−06
22	118	1.432+02	1.111+05	5.127−07	3.590−02	3.900−01	1.799−12	2.549−07
22	119	1.426+02	8.838+04	2.694−07	1.860−02	5.711−01	1.740−12	2.455−07
22	120	1.425+02	1.791+04	2.727−08	1.882−03	5.101−02	7.769−14	1.095−08
22	121	1.422+02	5.535+04	3.354−07	2.296−02	0.000−00	0.000−00	0.000−00
22	122	1.416+02	2.027+05	9.143−07	6.187−02	1.844−01	8.318−13	1.165−07
22	123	1.410+02	1.227+05	3.655−07	2.441−02	4.195−00	1.250−11	1.743−06
22	124	1.362+02	2.821+05	7.847−07	4.725−02	2.861−00	7.960−12	1.072−06
22	125	1.361+02	2.788+05	1.161−06	6.971−02	1.191−00	4.959−12	6.675−07
22	126	1.354+02	1.549+05	2.128−07	1.257−02	6.031−00	8.284−12	1.109−06
22	127	1.317+02	1.021+04	2.655−08	1.446−03	1.312+01	3.414−11	4.448−06
22	128	1.281+02	4.271+03	5.253−09	2.631−04	1.642+01	2.020−11	2.559−06
22	129	1.277+02	2.784+03	1.361−08	6.750−04	0.000−00	0.000−00	0.000−00
22	130	1.257+02	3.442+04	1.224−07	5.797−03	1.257−00	4.469−12	5.558−07
22	131	1.252+02	1.861+02	4.377−10	2.049−05	4.319−02	1.016−13	1.258−08
22	132	1.223+02	1.513+04	1.697−08	7.402−04	6.843−00	7.675−12	9.287−07
22	133	1.195+02	1.015+03	2.175−09	8.851−05	1.415−00	3.031−12	3.584−07
22	134	1.186+02	6.753+01	2.134−10	8.473−06	5.342−00	1.688−11	1.980−06
23	24	5.954+03	2.563−03	2.725−11	6.852−02	7.332−00	7.794−08	2.295−01
23	25	1.236+03	0.000−00	0.000−00	0.000−00	1.670+03	3.826−07	2.338−01
23	68	2.405+02	0.000−00	0.000−00	0.000−00	3.548−02	3.075−13	3.657−08
23	69	2.360+02	1.782+01	2.976−10	4.657−05	1.379−01	2.302−12	2.687−07
23	71	2.292+02	7.325−01	1.730−11	2.482−06	0.000−00	0.000−00	0.000−00
23	77	2.174+02	2.884+03	6.133−08	7.508−03	0.000−00	0.000−00	0.000−00
23	78	2.154+02	9.306+02	1.295−08	1.542−03	1.483−01	2.063−12	2.198−07
23	80	2.119+02	1.690+03	3.413−08	3.871−03	0.000−00	0.000−00	0.000−00
23	81	2.097+02	0.000−00	0.000−00	0.000−00	4.720−02	3.112−13	3.227−08
23	83	2.035+02	0.000−00	0.000−00	0.000−00	1.482−01	9.197−13	9.254−08
23	84	2.018+02	1.949+01	2.380−10	2.331−05	9.966−02	1.217−12	1.215−07
23	86	1.999+02	1.450+03	1.736−08	1.651−03	1.573−00	1.883−11	1.861−06
23	88	1.982+02	6.873−00	1.215−10	1.127−05	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
23	89	1.980+02	1.061+01	1.871−10	1.730−05	0.000−00	0.000−00	0.000−00
23	90	1.956+02	2.534+03	2.907−08	2.592−03	4.123−02	4.730−13	4.576−08
23	92	1.936+02	2.065+03	2.320−08	2.004−03	4.966−00	5.578−11	5.339−06
23	93	1.914+02	1.261+02	2.076−09	1.734−04	0.000−00	0.000−00	0.000−00
23	95	1.896+02	3.804+02	6.147−09	4.988−04	0.000−00	0.000−00	0.000−00
23	97	1.877+02	0.000−00	0.000−00	0.000−00	8.765−01	4.632−12	4.300−07
23	98	1.850+02	3.489+02	3.580−09	2.700−04	1.011−00	1.037−11	9.487−07
23	99	1.843+02	3.917+02	5.981−09	4.457−04	0.000−00	0.000−00	0.000−00
23	100	1.825+02	1.064+04	1.063−07	7.698−03	1.810−01	1.808−12	1.632−07
23	101	1.826+02	7.440+03	1.116−07	8.101−03	0.000−00	0.000−00	0.000−00
23	102	1.791+02	3.263+02	4.707−09	3.222−04	0.000−00	0.000−00	0.000−00
23	103	1.788+02	0.000−00	0.000−00	0.000−00	1.260+01	6.041−11	5.342−06
23	104	1.771+02	4.242+04	3.989−07	2.639−02	7.483−00	7.037−11	6.163−06
23	105	1.763+02	0.000−00	0.000−00	0.000−00	1.280+01	5.968−11	5.204−06
23	107	1.747+02	4.758+04	6.529−07	4.145−02	0.000−00	0.000−00	0.000−00
23	110	1.701+02	3.266+04	2.832−07	1.659−02	1.670−00	1.448−11	1.218−06
23	112	1.668+02	8.199+02	6.836−09	3.776−04	4.026−01	3.357−12	2.769−07
23	113	1.644+02	1.997+01	2.427−10	1.284−05	0.000−00	0.000−00	0.000−00
23	114	1.625+02	1.217+04	1.445−07	7.384−03	0.000−00	0.000−00	0.000−00
23	115	1.618+02	0.000−00	0.000−00	0.000−00	1.602+01	6.285−11	5.028−06
23	117	1.611+02	3.403+04	2.646−07	1.317−02	4.005+01	3.115−10	2.481−05
23	118	1.601+02	4.651+03	5.361−08	2.620−03	0.000−00	0.000−00	0.000−00
23	119	1.593+02	1.234+02	9.382−10	4.515−05	1.414−00	1.075−11	8.469−07
23	120	1.592+02	0.000−00	0.000−00	0.000−00	1.104−00	4.195−12	3.303−07
23	122	1.581+02	5.923+01	6.655−10	3.131−05	0.000−00	0.000−00	0.000−00
23	123	1.573+02	2.708+04	2.009−07	9.312−03	3.176−00	2.356−11	1.833−06
23	124	1.514+02	4.546−00	3.123−11	1.290−06	1.702−00	1.169−11	8.750−07
23	125	1.512+02	2.190+04	2.252−07	9.274−03	0.000−00	0.000−00	0.000−00
23	126	1.503+02	0.000−00	0.000−00	0.000−00	6.663−00	2.257−11	1.678−06
23	127	1.459+02	1.313+05	8.374−07	3.095−02	3.299−00	2.104−11	1.518−06
23	128	1.414+02	0.000−00	0.000−00	0.000−00	5.321−01	1.595−12	1.116−07
23	130	1.385+02	4.461+05	3.851−06	1.220−01	0.000−00	0.000−00	0.000−00
23	131	1.379+02	3.024+05	1.725−06	5.393−02	8.838−00	5.042−11	3.440−06
23	132	1.344+02	0.000−00	0.000−00	0.000−00	3.248+01	8.796−11	5.846−06
23	133	1.310+02	1.129+01	5.815−11	1.559−06	2.421−02	1.247−13	8.078−09
23	134	1.299+02	4.355+03	3.303−08	8.618−04	0.000−00	0.000−00	0.000−00
24	25	1.560+03	2.626−00	4.789−10	4.330−02	1.269+02	2.315−08	3.571−02
24	68	2.506+02	1.654−01	7.786−13	2.919−07	5.046−01	2.375−12	5.886−07
24	69	2.457+02	1.252+01	1.133−10	4.005−05	1.744−01	1.578−12	3.835−07
24	71	2.384+02	7.948−00	1.015−10	3.277−05	7.589−02	9.697−13	2.286−07
24	72	2.311+02	2.062−00	3.302−11	9.712−06	0.000−00	0.000−00	0.000−00
24	74	2.292+02	1.247+01	1.964−10	5.636−05	0.000−00	0.000−00	0.000−00
24	77	2.257+02	1.301+02	1.490−09	4.079−04	9.423−01	1.079−11	2.408−06
24	78	2.235+02	1.051+02	7.874−10	2.094−04	7.629−01	5.713−12	1.263−06
24	79	2.202+02	1.222+02	1.776−09	4.518−04	0.000−00	0.000−00	0.000−00
24	80	2.198+02	6.313−01	6.857−12	1.734−06	8.757−01	9.511−12	2.067−06
24	81	2.174+02	6.066−03	2.148−14	5.257−09	3.104−02	1.099−13	2.364−08
24	82	2.139+02	2.477+01	3.396−10	7.912−05	0.000−00	0.000−00	0.000−00
24	83	2.107+02	8.982+01	2.988−10	6.654−05	8.147−01	2.710−12	5.646−07
24	84	2.089+02	4.689+01	3.068−10	6.663−05	1.547−01	1.012−12	2.091−07

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i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
24	86	2.068+02	1.622+03	1.040−08	2.191−03	1.847−00	1.184−11	2.422−06
24	87	2.062+02	4.467+01	5.694−10	1.190−04	0.000−00	0.000−00	0.000−00
24	88	2.051+02	2.110+01	1.995−10	4.098−05	1.278−01	1.209−12	2.452−07
24	89	2.048+02	3.485+01	3.286−10	6.725−05	1.981−00	1.868−11	3.784−06
24	90	2.023+02	1.573+03	9.646−09	1.901−03	2.598−03	1.593−14	3.187−09
24	92	2.001+02	2.316+03	1.389−08	2.651−03	5.148−01	3.089−12	6.113−07
24	93	1.977+02	4.879+02	4.290−09	7.902−04	1.037−01	9.121−13	1.784−07
24	94	1.969+02	6.430−00	7.475−11	1.359−05	0.000−00	0.000−00	0.000−00
24	95	1.958+02	5.817+02	5.015−09	8.968−04	4.388−01	3.783−12	7.326−07
24	96	1.949+02	2.015+01	2.295−10	4.049−05	0.000−00	0.000−00	0.000−00
24	97	1.939+02	2.711+02	7.638−10	1.326−04	2.340−00	6.592−12	1.264−06
24	98	1.909+02	2.446+02	1.337−09	2.216−04	3.908−01	2.136−12	4.033−07
24	99	1.901+02	4.599+03	3.739−08	6.125−03	1.127−00	9.162−12	1.723−06
24	100	1.883+02	1.054+04	5.604−08	8.913−03	3.030−00	1.611−11	3.000−06
24	101	1.884+02	3.057+04	2.440−07	3.889−02	1.003−03	8.008−15	1.492−09
24	102	1.847+02	1.161−00	8.903−12	1.335−06	7.619−02	5.842−13	1.067−07
24	103	1.843+02	1.171+03	2.982−09	4.449−04	3.120−01	7.945−13	1.449−07
24	104	1.825+02	5.085+04	2.540−07	3.679−02	7.304−00	3.648−11	6.586−06
24	105	1.817+02	2.007+03	4.968−09	7.101−04	6.525−01	1.615−12	2.902−07
24	106	1.818+02	5.020+02	4.974−09	7.120−04	0.000−00	0.000−00	0.000−00
24	107	1.799+02	1.472+05	1.072−06	1.488−01	5.651−00	4.115−11	7.325−06
24	108	1.769+02	3.022+02	2.836−09	3.740−04	0.000−00	0.000−00	0.000−00
24	110	1.751+02	2.442+04	1.122−07	1.434−02	2.237+01	1.028−10	1.780−05
24	112	1.716+02	3.275+01	1.445−10	1.739−05	1.383+01	6.102−11	1.036−05
24	113	1.690+02	3.304+01	2.123−10	2.443−05	3.752+01	2.411−10	4.031−05
24	114	1.670+02	3.322+04	2.084−07	2.314−02	2.449−00	1.537−11	2.539−06
24	115	1.663+02	2.870+03	5.949−09	6.516−04	1.569−01	3.252−13	5.349−08
24	116	1.660+02	2.687+03	2.219−08	2.418−03	0.000−00	0.000−00	0.000−00
24	117	1.655+02	2.079+04	8.539−08	9.228−03	2.541−02	1.044−13	1.709−08
24	118	1.645+02	1.097+04	6.676−08	7.081−03	2.697−00	1.641−11	2.670−06
24	119	1.636+02	3.625+02	1.455−09	1.519−04	2.369+01	9.511−11	1.539−05
24	120	1.636+02	1.210+03	2.427−09	2.531−04	1.591+01	3.191−11	5.163−06
24	121	1.631+02	1.268+03	1.011−08	1.045−03	0.000−00	0.000−00	0.000−00
24	122	1.624+02	1.268+04	7.521−08	7.671−03	5.622−00	3.334−11	5.354−06
24	123	1.616+02	5.795+04	2.267−07	2.278−02	2.794−00	1.093−11	1.747−06
24	124	1.553+02	1.567+04	5.668−08	5.059−03	8.902−02	3.219−13	4.945−08
24	125	1.551+02	7.330+02	3.967−09	3.529−04	1.131−01	6.123−13	9.396−08
24	126	1.542+02	4.117+04	7.339−08	6.413−03	4.137−00	7.375−12	1.125−06
24	127	1.495+02	6.542+03	2.192−08	1.746−03	1.603−00	5.373−12	7.946−07
24	128	1.448+02	1.664+04	2.617−08	1.895−03	2.540−00	3.995−12	5.723−07
24	129	1.443+02	4.085+05	2.551−06	1.827−01	0.000−00	0.000−00	0.000−00
24	130	1.418+02	1.251+05	5.661−07	3.849−02	2.799+01	1.266−10	1.776−05
24	131	1.412+02	3.709+05	1.109−06	7.438−02	1.035+01	3.094−11	4.321−06
24	132	1.375+02	8.729+05	1.237−06	7.665−02	5.805−00	8.229−12	1.119−06
24	133	1.340+02	8.108+04	2.182−07	1.251−02	2.880−01	7.751−13	1.027−07
24	134	1.328+02	1.878+04	7.442−08	4.149−03	4.155−00	1.647−11	2.163−06
25	68	2.985+02	0.000−00	0.000−00	0.000−00	9.439−02	1.261−12	1.862−07
25	69	2.916+02	2.808−04	7.160−15	2.116−09	3.639−02	9.282−13	1.339−07
25	71	2.814+02	1.980−01	7.050−12	1.871−06	0.000−00	0.000−00	0.000−00
25	77	2.638+02	2.192+02	6.862−09	1.501−03	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
25	78	2.609+02	3.237+02	6.605−09	1.397−03	2.901−01	5.919−12	7.637−07
25	80	2.558+02	1.197+02	3.523−09	7.025−04	0.000−00	0.000−00	0.000−00
25	81	2.526+02	0.000−00	0.000−00	0.000−00	3.361−00	3.214−11	4.014−06
25	83	2.436+02	0.000−00	0.000−00	0.000−00	2.500−01	2.223−12	2.678−07
25	84	2.412+02	1.376+01	2.401−10	4.013−05	1.482−01	2.585−12	3.084−07
25	86	2.384+02	1.804+02	3.075−09	4.963−04	6.108−01	1.041−11	1.227−06
25	88	2.361+02	7.741−03	1.941−13	3.042−08	0.000−00	0.000−00	0.000−00
25	89	2.358+02	8.865+01	2.216−09	3.459−04	0.000−00	0.000−00	0.000−00
25	90	2.324+02	1.376+01	2.228−10	3.331−05	8.651−01	1.401−11	1.610−06
25	92	2.295+02	2.102+02	3.319−09	4.779−04	3.666−01	5.790−12	6.571−07
25	93	2.264+02	1.296+01	2.990−10	4.135−05	0.000−00	0.000−00	0.000−00
25	95	2.239+02	8.203−01	1.850−11	2.473−06	0.000−00	0.000−00	0.000−00
25	97	2.214+02	0.000−00	0.000−00	0.000−00	5.790−01	4.253−12	4.657−07
25	98	2.176+02	1.131+01	1.605−10	1.969−05	4.070−02	5.776−13	6.215−08
25	99	2.165+02	3.035+01	6.401−10	7.742−05	0.000−00	0.000−00	0.000−00
25	100	2.141+02	2.562+03	3.522−08	4.121−03	1.135−00	1.561−11	1.654−06
25	101	2.143+02	9.107+02	1.881−08	2.205−03	0.000−00	0.000−00	0.000−00
25	102	2.094+02	7.591−00	1.498−10	1.640−05	0.000−00	0.000−00	0.000−00
25	103	2.090+02	0.000−00	0.000−00	0.000−00	1.457+01	9.545−11	9.867−06
25	104	2.067+02	4.088+03	5.238−08	5.511−03	6.257−01	8.017−12	8.196−07
25	105	2.057+02	0.000−00	0.000−00	0.000−00	5.464−00	3.465−11	3.525−06
25	107	2.034+02	3.499+03	6.512−08	6.530−03	0.000−00	0.000−00	0.000−00
25	110	1.972+02	2.408+03	2.807−08	2.564−03	1.684−00	1.964−11	1.915−06
25	112	1.928+02	3.101+02	3.455−09	2.948−04	8.155−01	9.085−12	8.661−07
25	113	1.896+02	7.334+02	1.186−08	9.624−04	0.000−00	0.000−00	0.000−00
25	114	1.871+02	1.952+03	3.072−08	2.395−03	0.000−00	0.000−00	0.000−00
25	115	1.861+02	0.000−00	0.000−00	0.000−00	2.497−00	1.297−11	1.194−06
25	117	1.852+02	2.307+03	2.373−08	1.795−03	2.045−01	2.102−12	1.925−07
25	118	1.839+02	1.486+03	2.260−08	1.674−03	0.000−00	0.000−00	0.000−00
25	119	1.828+02	3.117+02	3.124−09	2.274−04	1.125−00	1.128−11	1.020−06
25	120	1.828+02	0.000−00	0.000−00	0.000−00	5.093−01	2.550−12	2.305−07
25	122	1.812+02	4.904+02	7.245−09	5.138−04	0.000−00	0.000−00	0.000−00
25	123	1.802+02	2.824+03	2.750−08	1.918−03	1.113+01	1.084−10	9.664−06
25	124	1.725+02	2.734+03	2.439−08	1.491−03	1.485−00	1.325−11	1.130−06
25	125	1.723+02	5.134+03	6.853−08	4.174−03	0.000−00	0.000−00	0.000−00
25	126	1.711+02	0.000−00	0.000−00	0.000−00	6.654+01	2.922−10	2.473−05
25	127	1.654+02	5.393+01	4.422−10	2.382−05	3.041+01	2.494−10	2.039−05
25	128	1.597+02	0.000−00	0.000−00	0.000−00	1.681+01	6.426−11	5.074−06
25	130	1.560+02	2.870+04	3.143−07	1.422−02	0.000−00	0.000−00	0.000−00
25	131	1.553+02	6.459+03	4.669−08	2.082−03	7.805−00	5.642−11	4.332−06
25	132	1.508+02	0.000−00	0.000−00	0.000−00	1.603−03	5.466−15	4.077−10
25	133	1.466+02	5.937+05	3.825−06	1.435−01	1.738−00	1.120−11	8.118−07
25	134	1.451+02	4.972+05	4.709−06	1.714−01	0.000−00	0.000−00	0.000−00
26	27	4.232+05	3.819−12	5.128−17	9.259−02	2.435−04	3.269−09	1.368−00
26	28	1.222+04	3.858−06	1.296−13	5.639−03	3.894−00	1.308−07	1.582−00
26	29	1.096+04	8.277−05	2.979−12	9.331−02	0.000−00	0.000−00	0.000−00
26	30	5.598+03	2.778−04	1.305−12	5.453−03	2.413+01	1.134−07	6.276−01
26	31	3.183+03	5.762−03	1.313−11	1.009−02	7.114+01	1.621−07	5.103−01
26	32	2.792+03	6.743−02	7.880−11	4.086−02	6.515+01	7.614−08	2.103−01
26	33	2.676+03	7.283−02	3.908−11	1.783−02	3.010+02	1.615−07	4.275−01

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
26	34	2.558+03	1.100−02	2.160−11	8.617−03	0.000−00	0.000−00	0.000−00
26	35	2.447+03	1.097−01	1.477−10	5.156−02	2.182−00	2.938−09	7.110−03
26	36	1.125+03	1.921−01	1.824−11	6.195−04	3.411+03	3.238−07	3.605−01
26	37	1.068+03	2.616−01	4.477−11	1.301−03	4.475+02	7.659−08	8.095−02
26	38	1.043+03	1.084−02	8.835−13	2.386−05	6.726+01	5.481−09	5.653−03
26	39	9.689+02	2.737−03	3.852−13	8.348−06	4.881+01	6.869−09	6.583−03
26	41	8.653+02	2.026−01	3.412−11	5.267−04	3.437+02	5.788−08	4.954−02
26	42	8.576+02	4.054−01	6.705−11	1.007−03	4.198+02	6.943−08	5.889−02
26	43	8.464+02	1.737−00	1.865−10	2.694−03	2.877+03	3.090−07	2.587−01
26	44	8.313+02	1.257−02	2.604−12	3.565−05	0.000−00	0.000−00	0.000−00
26	45	7.945+02	1.111−02	5.255−13	6.279−06	1.706+03	8.074−08	6.345−02
26	46	7.729+02	2.563−02	3.443−12	3.788−05	4.168−00	5.599−10	4.281−04
26	47	7.127+02	1.776−00	1.353−10	1.167−03	1.360+02	1.036−08	7.300−03
26	48	6.996+02	1.857+01	1.363−09	1.112−02	1.869+02	1.372−08	9.492−03
26	49	6.848+02	1.167−02	1.641−12	1.256−05	0.000−00	0.000−00	0.000−00
26	50	6.713+02	3.620−03	3.668−13	2.643−06	3.011+01	3.051−09	2.026−03
26	51	6.635+02	1.060−00	1.050−10	7.306−04	1.029−00	1.019−10	6.688−05
26	52	6.556+02	6.057+01	3.903−09	2.620−02	8.365+02	5.389−08	3.495−02
26	53	6.438+02	1.073+01	3.334−10	2.120−03	1.360+03	4.227−08	2.692−02
26	54	5.705+02	1.447+01	7.061−10	3.123−03	1.038+01	5.062−10	2.856−04
26	55	5.373+02	8.360−01	1.809−11	6.686−05	1.371+03	2.966−08	1.576−02
26	56	4.606+02	1.146+01	3.645−10	8.487−04	3.242+02	1.031−08	4.698−03
26	57	4.402+02	1.883+02	1.094−08	2.223−02	0.000−00	0.000−00	0.000−00
26	58	4.390+02	3.918−00	1.132−10	2.281−04	4.356+01	1.258−09	5.464−04
26	59	4.364+02	7.258−03	3.108−13	6.155−07	2.266+01	9.703−10	4.188−04
26	60	4.259+02	7.307−01	2.980−11	5.483−05	9.440−01	3.850−11	1.622−05
26	61	4.168+02	1.623−00	8.453−11	1.458−04	0.000−00	0.000−00	0.000−00
26	62	4.004+02	2.602+01	9.381−10	1.435−03	5.442+01	1.962−09	7.770−04
26	63	3.995+02	2.613+02	3.126−09	4.748−03	1.746+02	2.088−09	8.252−04
26	64	3.774+02	4.521+02	4.826−09	6.178−03	1.754+03	1.872−08	6.988−03
26	65	3.662+02	4.716+02	9.484−09	1.110−02	5.557+02	1.117−08	4.048−03
26	66	3.474+02	1.040+02	1.881−09	1.878−03	3.593+01	6.499−10	2.233−04
26	67	3.157+02	4.304+02	3.215−09	2.409−03	5.205+01	3.888−10	1.214−04
26	70	2.975+02	7.737−00	1.540−10	9.654−05	8.792−00	1.749−10	5.147−05
26	76	2.730+02	2.806+02	3.136−09	1.521−03	7.441+01	8.317−10	2.246−04
27	28	1.259+04	9.361−08	6.670−15	1.584−04	0.000−00	0.000−00	0.000−00
27	30	5.673+03	1.389−03	1.340−11	2.913−02	3.459−01	3.337−09	9.363−03
27	31	3.207+03	2.701−03	1.249−11	4.909−03	0.000−00	0.000−00	0.000−00
27	32	2.810+03	4.669−04	1.106−12	2.925−04	3.994−00	9.459−09	1.315−02
27	33	2.693+03	0.000−00	0.000−00	0.000−00	3.236+02	3.518−07	4.684−01
27	35	2.461+03	1.420−01	3.870−10	6.872−02	0.000−00	0.000−00	0.000−00
27	36	1.128+03	0.000−00	0.000−00	0.000−00	3.968+02	7.576−08	4.228−02
27	37	1.071+03	7.169−02	2.466−11	3.612−04	4.364+02	1.502−07	7.954−02
27	38	1.045+03	0.000−00	0.000−00	0.000−00	3.006−00	4.923−10	2.545−04
27	39	9.711+02	2.032−02	5.746−12	6.270−05	1.037+01	2.933−09	1.409−03
27	41	8.671+02	1.701−01	5.754−11	4.469−04	0.000−00	0.000−00	0.000−00
27	42	8.593+02	3.771−01	1.252−10	9.465−04	0.000−00	0.000−00	0.000−00
27	43	8.481+02	8.359−02	1.803−11	1.310−04	3.919+02	8.450−08	3.544−02
27	45	7.960+02	0.000−00	0.000−00	0.000−00	2.624+03	2.492−07	9.810−02
27	46	7.743+02	1.034−01	2.789−11	1.542−04	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
27	47	7.139+02	3.950−01	6.036−11	2.616−04	2.817+02	4.305−08	1.520−02
27	48	7.008+02	9.079−01	1.337−10	5.480−04	1.097+02	1.615−08	5.596−03
27	50	6.723+02	1.607−03	3.267−13	1.183−06	0.000−00	0.000−00	0.000−00
27	51	6.646+02	7.950−01	1.579−10	5.521−04	0.000−00	0.000−00	0.000−00
27	52	6.566+02	2.838+01	3.669−09	1.237−02	2.734+03	3.534−07	1.147−01
27	53	6.448+02	0.000−00	0.000−00	0.000−00	3.963−00	2.470−10	7.876−05
27	54	5.712+02	1.040−00	1.017−10	2.258−04	6.527+01	6.386−09	1.804−03
27	55	5.380+02	0.000−00	0.000−00	0.000−00	4.156+01	1.803−09	4.798−04
27	56	4.611+02	2.427−02	1.548−12	1.808−06	1.476+02	9.410−09	2.146−03
27	58	4.394+02	3.989−00	2.309−10	2.334−04	6.023+01	3.487−09	7.578−04
27	59	4.369+02	3.048−02	2.616−12	2.598−06	0.000−00	0.000−00	0.000−00
27	60	4.263+02	1.278+01	1.045−09	9.639−04	0.000−00	0.000−00	0.000−00
27	62	4.008+02	2.906+01	2.099−09	1.610−03	0.000−00	0.000−00	0.000−00
27	63	3.999+02	0.000−00	0.000−00	0.000−00	5.369−01	1.287−11	2.545−06
27	64	3.777+02	0.000−00	0.000−00	0.000−00	3.503−02	7.491−13	1.399−07
27	65	3.666+02	1.164+02	4.689−09	2.751−03	8.925+02	3.596−08	6.519−03
27	66	3.477+02	4.867+01	1.764−09	8.828−04	1.263+02	4.578−09	7.870−04
27	67	3.159+02	0.000−00	0.000−00	0.000−00	7.943−01	1.188−11	1.857−06
27	70	2.977+02	3.593+01	1.432−09	4.498−04	0.000−00	0.000−00	0.000−00
27	76	2.732+02	1.395+02	3.123−09	7.588−04	8.410+01	1.882−09	2.543−04
28	29	1.056+05	1.681−11	3.751−17	1.581−03	9.705−04	2.165−09	3.394−01
28	30	1.033+04	1.081−04	1.152−12	4.534−02	1.102+01	1.175−07	1.800−00
28	31	4.304+03	2.303−04	6.395−13	1.822−03	9.788−00	2.718−08	1.735−01
28	32	3.619+03	6.742−03	8.823−12	1.494−02	1.742−02	2.279−11	1.224−04
28	33	3.425+03	6.187−03	3.628−12	5.211−03	0.000−00	0.000−00	0.000−00
28	34	3.236+03	1.025−01	2.145−10	2.597−01	1.100+02	2.302−07	1.105−00
28	35	3.059+03	9.434−05	1.324−13	1.355−04	8.630+01	1.211−07	5.497−01
28	36	1.240+03	3.360−04	2.580−14	1.756−06	0.000−00	0.000−00	0.000−00
28	37	1.171+03	1.051−01	1.440−11	8.263−04	1.692+03	2.319−07	4.028−01
28	38	1.140+03	7.532−05	4.891−15	2.589−07	0.000−00	0.000−00	0.000−00
28	39	1.052+03	1.050−02	1.163−12	4.842−05	7.509−01	8.311−11	1.298−04
28	40	9.531+02	3.726−05	8.458−15	2.617−07	0.000−00	0.000−00	0.000−00
28	41	9.313+02	2.065−03	2.685−13	7.749−06	3.529+02	4.589−08	6.341−02
28	42	9.223+02	5.389−03	6.872−13	1.927−05	3.761+02	4.796−08	6.562−02
28	43	9.093+02	2.123−00	1.755−10	4.715−03	3.303+03	2.730−07	3.683−01
28	44	8.920+02	8.049−05	1.280−14	3.247−07	9.266−02	1.474−11	1.950−05
28	45	8.497+02	2.204−00	7.950−11	1.743−03	0.000−00	0.000−00	0.000−00
28	46	8.251+02	2.328−04	2.376−14	4.770−07	1.216−00	1.241−10	1.519−04
28	47	7.568+02	1.880−00	1.076−10	1.667−03	9.958+01	5.701−09	6.401−03
28	48	7.421+02	1.518+01	8.354−10	1.220−02	1.297+03	7.139−08	7.859−02
28	49	7.254+02	2.472−05	2.600−15	3.547−08	1.993−01	2.096−11	2.256−05
28	50	7.103+02	1.330−01	1.006−11	1.288−04	4.679+02	3.538−08	3.729−02
28	51	7.016+02	3.079−01	2.272−11	2.804−04	9.903+02	7.308−08	7.607−02
28	52	6.927+02	5.185+01	2.487−09	2.954−02	2.990+03	1.434−07	1.474−01
28	53	6.796+02	1.879−03	4.337−14	4.865−07	0.000−00	0.000−00	0.000−00
28	54	5.984+02	3.604+01	1.290−09	9.876−03	2.403+02	8.599−09	7.634−03
28	55	5.620+02	2.068−00	3.264−11	2.071−04	0.000−00	0.000−00	0.000−00
28	56	4.787+02	6.382+01	1.461−09	5.728−03	2.651+03	6.070−08	4.310−02
28	57	4.566+02	1.145+01	4.774−10	1.625−03	1.560+01	6.502−10	4.405−04
28	58	4.553+02	1.057+01	2.191−10	7.391−04	5.819+02	1.206−08	8.145−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
28	59	4.526+02	5.905−04	1.813−14	6.006−08	9.542−02	2.930−12	1.967−06
28	60	4.412+02	2.054−01	5.996−12	1.841−05	2.650+01	7.735−10	5.064−04
28	61	4.315+02	1.470−01	5.472−12	1.571−05	3.043−01	1.132−11	7.249−06
28	62	4.140+02	1.082−00	2.780−11	7.047−05	1.012+02	2.600−09	1.597−03
28	63	4.130+02	3.445+01	2.936−10	7.392−04	0.000−00	0.000−00	0.000−00
28	64	3.894+02	5.825−02	4.414−13	9.313−07	0.000−00	0.000−00	0.000−00
28	65	3.776+02	2.605+01	3.712−10	7.140−04	5.178+03	7.377−08	4.132−02
28	66	3.575+02	5.757−00	7.355−11	1.201−04	4.112−01	5.253−12	2.786−06
28	67	3.240+02	8.536−00	4.479−11	5.447−05	0.000−00	0.000−00	0.000−00
28	70	3.049+02	2.573−03	3.586−14	3.632−08	1.404+01	1.956−10	8.847−05
28	76	2.793+02	5.223−00	4.072−11	3.170−05	6.955+02	5.422−09	2.247−03
29	30	1.145+04	1.073−05	1.053−13	7.527−03	0.000−00	0.000−00	0.000−00
29	31	4.486+03	2.914−02	6.594−11	2.838−01	1.653+01	3.741−08	3.320−01
29	32	3.747+03	1.047−04	1.102−13	2.763−04	0.000−00	0.000−00	0.000−00
29	34	3.338+03	3.977−02	6.644−11	1.177−01	8.646+01	1.444−07	9.538−01
29	35	3.151+03	2.654−02	2.962−11	4.414−02	1.120+02	1.250−07	7.788−01
29	37	1.184+03	1.438−00	1.511−10	1.195−02	0.000−00	0.000−00	0.000−00
29	39	1.063+03	2.714−02	2.298−12	1.315−04	0.000−00	0.000−00	0.000−00
29	40	9.618+02	9.959−04	1.726−13	7.318−06	2.076−00	3.599−10	6.848−04
29	41	9.396+02	1.373−00	1.363−10	5.386−03	6.208+03	6.162−07	1.145−00
29	42	9.304+02	1.867−00	1.817−10	6.973−03	6.471+03	6.298−07	1.159−00
29	43	9.172+02	1.192−01	7.515−12	2.763−04	0.000−00	0.000−00	0.000−00
29	44	8.996+02	1.337−02	1.622−12	5.628−05	4.834−01	5.864−11	1.044−04
29	46	8.316+02	5.931−02	4.612−12	1.264−04	3.275+01	2.547−09	4.189−03
29	47	7.623+02	4.481−00	1.952−10	4.119−03	0.000−00	0.000−00	0.000−00
29	48	7.473+02	3.763+01	1.576−09	3.134−02	0.000−00	0.000−00	0.000−00
29	49	7.304+02	1.541−05	1.233−15	2.289−08	2.181−01	1.744−11	2.520−05
29	50	7.151+02	1.022−02	5.876−13	1.024−05	2.907−01	1.672−11	2.365−05
29	51	7.063+02	1.272−00	7.137−11	1.198−03	9.160+01	5.138−09	7.179−03
29	52	6.973+02	2.256+02	8.221−09	1.328−01	0.000−00	0.000−00	0.000−00
29	54	6.018+02	7.143+01	1.939−09	2.014−02	0.000−00	0.000−00	0.000−00
29	56	4.808+02	9.231+01	1.600−09	8.475−03	0.000−00	0.000−00	0.000−00
29	57	4.586+02	1.407+02	4.438−09	2.040−02	2.570+01	8.104−10	7.353−04
29	58	4.573+02	3.024+01	4.741−10	2.160−03	0.000−00	0.000−00	0.000−00
29	59	4.545+02	6.310−02	1.466−12	6.557−06	2.855−01	6.630−12	5.961−06
29	60	4.431+02	3.689+01	8.143−10	3.375−03	1.201−00	2.651−11	2.323−05
29	61	4.332+02	9.639−01	2.713−11	1.051−04	2.571−01	7.236−12	6.202−06
29	62	4.156+02	1.182+02	2.295−09	7.847−03	1.118+01	2.171−10	1.785−04
29	65	3.789+02	4.036+02	4.344−09	1.126−02	0.000−00	0.000−00	0.000−00
29	66	3.587+02	3.617+01	3.489−10	7.676−04	0.000−00	0.000−00	0.000−00
29	70	3.058+02	1.244+01	1.308−10	1.781−04	1.663−00	1.748−11	1.057−05
29	76	2.800+02	5.058+01	2.973−10	3.110−04	0.000−00	0.000−00	0.000−00
30	31	7.379+03	8.723−04	1.068−11	1.022−01	1.195−05	1.463−13	1.068−06
30	32	5.570+03	4.448−04	2.069−12	8.520−03	4.341+01	2.019−07	1.113−00
30	33	5.126+03	4.854−04	9.559−13	3.067−03	1.138+02	2.242−07	1.136−00
30	34	4.712+03	2.835−03	1.888−11	4.707−02	0.000−00	0.000−00	0.000−00
30	35	4.347+03	5.819−03	2.473−11	4.842−02	1.449+01	6.156−08	2.647−01
30	36	1.409+03	3.674−02	5.465−12	3.640−04	2.139+03	3.182−07	4.433−01
30	37	1.321+03	1.052−01	2.751−11	1.509−03	2.043+03	5.341−07	6.977−01
30	38	1.281+03	8.205−05	1.010−14	5.061−07	2.194+01	2.700−09	3.422−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
30	39	1.172+03	2.602−03	5.357−13	2.053−05	3.571+01	7.350−09	8.518−03
30	41	1.024+03	1.677−01	3.951−11	1.010−03	2.552+02	6.013−08	6.088−02
30	42	1.013+03	3.789−01	8.739−11	2.163−03	3.125+02	7.207−08	7.219−02
30	43	9.971+02	2.450−00	3.652−10	8.627−03	4.908+02	7.316−08	7.216−02
30	44	9.763+02	4.566−05	1.305−14	2.894−07	0.000−00	0.000−00	0.000−00
30	45	9.259+02	5.143−01	3.305−11	6.249−04	7.405+02	4.758−08	4.357−02
30	46	8.968+02	6.745−02	1.220−11	2.096−04	2.531−00	4.577−10	4.060−04
30	47	8.167+02	5.246−02	5.245−12	6.806−05	1.718−00	1.718−10	1.388−04
30	48	7.995+02	6.174−00	5.917−10	7.205−03	6.446−00	6.178−10	4.885−04
30	49	7.802+02	1.363−03	2.487−13	2.814−06	0.000−00	0.000−00	0.000−00
30	50	7.627+02	1.750−00	2.289−10	2.420−03	1.186+01	1.551−09	1.170−03
30	51	7.527+02	4.187−01	5.335−11	5.421−04	2.818−01	3.590−11	2.673−05
30	52	7.425+02	3.627+01	2.998−09	2.924−02	6.712+02	5.548−08	4.075−02
30	53	7.275+02	5.602−01	2.222−11	2.039−04	1.864+03	7.396−08	5.322−02
30	54	6.352+02	2.721+01	1.646−09	1.005−02	2.832+01	1.713−09	1.076−03
30	55	5.943+02	7.045−00	1.865−10	9.331−04	2.807+03	7.432−08	4.369−02
30	56	5.019+02	2.560+01	9.670−10	2.913−03	8.136+02	3.073−08	1.526−02
30	57	4.778+02	9.200−00	6.297−10	1.636−03	0.000−00	0.000−00	0.000−00
30	58	4.763+02	7.552−01	2.569−11	6.615−05	1.165+02	3.964−09	1.868−03
30	59	4.733+02	1.070−01	5.390−12	1.362−05	2.479+01	1.249−09	5.847−04
30	60	4.609+02	4.212+01	2.012−09	4.694−03	5.411−00	2.585−10	1.178−04
30	61	4.503+02	2.530−02	1.538−12	3.346−06	0.000−00	0.000−00	0.000−00
30	62	4.312+02	1.349+02	5.642−09	1.078−02	2.859−00	1.195−10	5.099−05
30	63	4.302+02	6.555+01	9.093−10	1.725−03	1.213+03	1.683−08	7.163−03
30	64	4.046+02	1.513+01	1.857−10	2.931−04	4.664+02	5.724−09	2.291−03
30	65	3.919+02	3.179+01	7.320−10	1.050−03	9.983+02	2.299−08	8.910−03
30	66	3.704+02	2.503+01	5.147−10	6.230−04	5.093+01	1.047−09	3.836−04
30	67	3.345+02	2.150−00	1.803−11	1.609−05	6.842+01	5.740−10	1.899−04
30	70	3.141+02	1.435+01	3.186−10	2.353−04	2.771−01	6.149−12	1.911−06
30	76	2.870+02	7.309−00	9.029−11	5.088−05	9.532+01	1.177−09	3.343−04
31	32	2.273+04	1.501−06	7.752−14	3.253−02	3.265−01	1.686−08	5.685−01
31	33	1.678+04	1.512−05	2.128−13	3.597−02	0.000−00	0.000−00	0.000−00
31	34	1.304+04	4.048−07	1.376−14	1.091−03	2.356−00	8.012−08	1.550−00
31	35	1.058+04	8.620−05	1.447−12	6.128−02	1.085−00	1.821−08	2.859−01
31	36	1.741+03	6.778−02	1.027−11	1.936−03	0.000−00	0.000−00	0.000−00
31	37	1.608+03	3.846−00	9.944−10	1.479−01	4.775+02	1.235−07	2.947−01
31	38	1.551+03	2.139−03	2.570−13	3.424−05	0.000−00	0.000−00	0.000−00
31	39	1.393+03	4.182−02	8.109−12	7.832−04	3.416+01	6.624−09	1.369−02
31	40	1.224+03	1.098−04	4.113−14	2.697−06	0.000−00	0.000−00	0.000−00
31	41	1.188+03	5.843−05	1.237−14	7.422−07	1.529+03	3.238−07	5.710−01
31	42	1.174+03	1.537−04	3.175−14	1.835−06	1.592+03	3.287−07	5.725−01
31	43	1.153+03	8.059−01	1.071−10	5.864−03	5.272+03	7.003−07	1.198−00
31	44	1.125+03	9.240−05	2.339−14	1.191−06	2.788−01	7.057−11	1.178−04
31	45	1.059+03	6.897−01	3.863−11	1.639−03	0.000−00	0.000−00	0.000−00
31	46	1.021+03	4.777−03	7.463−13	2.837−05	1.564−00	2.443−10	3.699−04
31	47	9.183+02	7.246−01	6.107−11	1.690−03	2.637−00	2.223−10	3.028−04
31	48	8.967+02	1.011+01	8.123−10	2.093−02	9.245+01	7.430−09	9.885−03
31	49	8.725+02	3.929−03	5.979−13	1.419−05	2.428−00	3.695−10	4.783−04
31	50	8.507+02	2.346−02	2.545−12	5.599−05	1.564+01	1.697−09	2.142−03
31	51	8.383+02	7.445−02	7.843−12	1.651−04	1.529+02	1.611−08	2.003−02

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
31	52	8.256+02	3.617+01	2.464−09	4.955−02	1.716+02	1.169−08	1.432−02
31	53	8.071+02	7.756−01	2.525−11	4.743−04	0.000−00	0.000−00	0.000−00
31	54	6.950+02	4.426+01	2.137−09	2.564−02	2.242+01	1.082−09	1.116−03
31	55	6.464+02	2.571+01	5.369−10	5.183−03	0.000−00	0.000−00	0.000−00
31	56	5.385+02	3.426+01	9.932−10	5.544−03	6.925+01	2.007−09	1.604−03
31	57	5.109+02	3.090+01	1.612−09	7.681−03	2.101+01	1.096−09	8.309−04
31	58	5.092+02	6.260−01	1.622−11	7.655−05	2.169−01	5.621−12	4.247−06
31	59	5.057+02	3.747−03	1.437−13	6.643−07	7.549−00	2.895−10	2.172−04
31	60	4.916+02	2.884−00	1.045−10	4.438−04	6.472−00	2.345−10	1.711−04
31	61	4.796+02	6.872−01	3.159−11	1.245−04	1.244−00	5.718−11	4.068−05
31	62	4.580+02	1.788+01	5.623−10	1.931−03	2.181−00	6.858−11	4.660−05
31	63	4.568+02	1.735+02	1.810−09	6.166−03	0.000−00	0.000−00	0.000−00
31	64	4.281+02	2.539+02	2.326−09	6.521−03	0.000−00	0.000−00	0.000−00
31	65	4.139+02	2.109+02	3.611−09	9.148−03	9.161+01	1.568−09	9.631−04
31	66	3.899+02	5.058+01	7.685−10	1.628−03	7.467+01	1.135−09	6.564−04
31	67	3.504+02	7.395+01	4.538−10	6.979−04	0.000−00	0.000−00	0.000−00
31	70	3.281+02	6.519−00	1.052−10	1.328−04	4.861−00	7.845−11	3.819−05
31	76	2.987+02	4.447+01	3.965−10	3.775−04	3.121+01	2.782−10	1.233−04
32	33	6.418+04	1.294−08	3.996−15	2.517−02	6.736−03	2.080−09	1.320−01
32	34	3.060+04	3.441−07	9.660−14	6.594−02	0.000−00	0.000−00	0.000−00
32	35	1.980+04	1.922−06	1.695−13	3.135−02	1.639−00	1.445−07	2.829−00
32	36	1.886+03	1.213−00	3.231−10	5.160−02	1.370+03	3.651−07	6.809−01
32	37	1.731+03	7.650−01	3.436−10	4.246−02	8.422+02	3.783−07	6.477−01
32	38	1.664+03	1.883−02	3.908−12	4.291−04	2.375+01	4.930−09	8.114−03
32	39	1.484+03	1.823−04	6.019−14	4.685−06	1.761−01	5.812−11	8.530−05
32	41	1.254+03	1.243−02	4.395−12	2.065−04	1.329−01	4.701−11	5.831−05
32	42	1.238+03	1.537−02	5.295−12	2.392−04	7.282−02	2.509−11	3.071−05
32	43	1.214+03	1.803−01	3.987−11	1.702−03	1.332+03	2.945−07	3.538−01
32	44	1.184+03	3.205−04	1.347−13	5.324−06	0.000−00	0.000−00	0.000−00
32	45	1.110+03	1.375−00	1.271−10	4.147−03	5.975+03	5.523−07	6.067−01
32	46	1.069+03	2.448−06	6.288−16	1.829−08	6.701−02	1.721−11	1.820−05
32	47	9.570+02	2.075−01	2.849−11	5.949−04	2.218+02	3.046−08	2.883−02
32	48	9.335+02	2.362−01	3.086−11	5.982−04	2.792+02	3.648−08	3.368−02
32	49	9.073+02	5.811−04	1.434−13	2.552−06	0.000−00	0.000−00	0.000−00
32	50	8.837+02	3.685−02	6.471−12	1.064−04	1.011−00	1.776−10	1.552−04
32	51	8.704+02	1.263−01	2.151−11	3.379−04	1.926−00	3.281−10	2.825−04
32	52	8.567+02	1.035−02	1.139−12	1.706−05	2.355−00	2.591−10	2.196−04
32	53	8.368+02	9.058−01	4.754−11	6.637−04	4.527+02	2.376−08	1.967−02
32	54	7.169+02	3.902−01	3.007−11	2.640−04	3.396+02	2.617−08	1.855−02
32	55	6.653+02	1.947+01	6.462−10	4.534−03	6.903+02	2.291−08	1.507−02
32	56	5.516+02	1.228+01	5.603−10	2.241−03	7.291+02	3.326−08	1.815−02
32	57	5.226+02	2.141+01	1.753−09	5.962−03	0.000−00	0.000−00	0.000−00
32	58	5.209+02	3.397−00	1.382−10	4.652−04	1.219+02	4.959−09	2.555−03
32	59	5.172+02	4.156−03	2.501−13	8.245−07	7.943−01	4.779−11	2.445−05
32	60	5.025+02	3.952−00	2.244−10	6.783−04	1.072+01	6.085−10	3.024−04
32	61	4.899+02	1.787−01	1.286−11	3.601−05	0.000−00	0.000−00	0.000−00
32	62	4.674+02	2.271+01	1.116−09	2.715−03	2.077+01	1.020−09	4.717−04
32	63	4.662+02	1.738+02	2.831−09	6.835−03	2.344+02	3.819−09	1.761−03
32	64	4.363+02	1.738+02	2.481−09	4.910−03	6.535+02	9.326−09	4.025−03
32	65	4.215+02	2.756+01	7.341−10	1.310−03	4.533+02	1.208−08	5.035−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
32	66	3.967+02	3.986−00	9.405−11	1.399−04	2.023+01	4.774−10	1.874−04
32	67	3.559+02	1.451+02	1.377−09	1.479−03	4.542+01	4.313−10	1.518−04
32	70	3.329+02	7.174−02	1.788−12	1.572−06	3.322−00	8.280−11	2.726−05
32	76	3.026+02	9.401−00	1.291−10	8.526−05	6.259+01	8.595−10	2.573−04
33	35	2.864+04	7.343−07	2.708−13	7.575−02	0.000−00	0.000−00	0.000−00
33	36	1.942+03	0.000−00	0.000−00	0.000−00	2.979+02	1.685−07	1.619−01
33	37	1.779+03	5.101−02	4.840−11	3.246−03	7.761+01	7.364−08	6.478−02
33	38	1.708+03	0.000−00	0.000−00	0.000−00	8.573−00	3.751−09	3.169−03
33	39	1.519+03	5.103−04	3.530−13	1.474−05	4.389−01	3.037−10	2.281−04
33	41	1.279+03	9.960−02	7.328−11	1.826−03	0.000−00	0.000−00	0.000−00
33	42	1.262+03	1.390−01	9.960−11	2.385−03	0.000−00	0.000−00	0.000−00
33	43	1.238+03	2.027−02	9.313−12	2.105−04	3.249+02	1.493−07	9.141−02
33	45	1.130+03	0.000−00	0.000−00	0.000−00	2.242+03	4.293−07	2.399−01
33	46	1.087+03	8.227−03	4.371−12	6.687−05	0.000−00	0.000−00	0.000−00
33	47	9.715+02	1.172−01	3.315−11	3.620−04	1.175+03	3.326−07	1.598−01
33	48	9.473+02	1.054−00	2.836−10	2.872−03	2.101+03	5.652−07	2.648−01
33	50	8.961+02	6.768−04	2.444−13	2.095−06	0.000−00	0.000−00	0.000−00
33	51	8.823+02	6.079−02	2.128−11	1.742−04	0.000−00	0.000−00	0.000−00
33	52	8.683+02	2.496−01	5.642−11	4.401−04	8.174+01	1.848−08	7.935−03
33	53	8.478+02	0.000−00	0.000−00	0.000−00	1.105+02	1.191−08	4.995−03
33	54	7.250+02	6.993−01	1.102−10	5.004−04	1.284+02	2.024−08	7.258−03
33	55	6.723+02	0.000−00	0.000−00	0.000−00	1.164+02	7.890−09	2.623−03
33	56	5.564+02	3.343−00	3.103−10	6.367−04	1.979+02	1.837−08	5.056−03
33	58	5.251+02	1.280−02	1.059−12	1.826−06	3.583+01	2.963−09	7.695−04
33	59	5.215+02	1.638−03	2.003−13	3.384−07	0.000−00	0.000−00	0.000−00
33	60	5.065+02	6.162−01	7.109−11	1.100−04	0.000−00	0.000−00	0.000−00
33	62	4.709+02	1.357−01	1.354−11	1.683−05	0.000−00	0.000−00	0.000−00
33	63	4.696+02	0.000−00	0.000−00	0.000−00	3.227+01	1.067−09	2.478−04
33	64	4.393+02	0.000−00	0.000−00	0.000−00	9.869−01	2.856−11	6.204−06
33	65	4.243+02	2.209−01	1.193−11	1.086−05	2.714+02	1.465−08	3.075−03
33	66	3.992+02	1.048+01	5.009−10	3.796−04	9.300+01	4.444−09	8.773−04
33	67	3.579+02	0.000−00	0.000−00	0.000−00	4.043−00	7.765−11	1.374−05
33	70	3.347+02	1.573+01	7.924−10	3.538−04	0.000−00	0.000−00	0.000−00
33	76	3.041+02	1.347+01	3.733−10	1.250−04	7.854+01	2.177−09	3.274−04
34	35	5.611+04	3.860−09	1.366−15	1.150−02	4.147−02	1.468−08	1.629−00
34	37	1.835+03	1.197−01	3.020−11	8.887−03	0.000−00	0.000−00	0.000−00
34	39	1.560+03	1.100−04	2.006−14	3.625−06	0.000−00	0.000−00	0.000−00
34	40	1.351+03	1.724−05	5.897−15	6.930−07	8.602−02	2.942−11	7.863−05
34	41	1.308+03	3.366−04	6.470−14	6.893−06	4.376−00	8.413−10	2.176−03
34	42	1.290+03	6.069−04	1.135−13	1.161−05	1.107+01	2.072−09	5.287−03
34	43	1.265+03	2.798−01	3.355−11	3.234−03	0.000−00	0.000−00	0.000−00
34	44	1.232+03	1.910−04	4.343−14	3.865−06	4.860−03	1.105−12	2.692−06
34	46	1.108+03	1.724−04	2.378−14	1.539−06	7.546−01	1.041−10	2.280−04
34	47	9.879+02	3.880−00	2.838−10	1.304−02	0.000−00	0.000−00	0.000−00
34	48	9.629+02	1.234+01	8.579−10	3.650−02	0.000−00	0.000−00	0.000−00
34	49	9.350+02	3.989−05	5.229−15	2.037−07	3.691−02	4.838−12	8.948−06
34	50	9.100+02	4.413−01	4.109−11	1.475−03	4.050+03	3.771−07	6.788−01
34	51	8.958+02	1.426−00	1.286−10	4.407−03	9.483+03	8.557−07	1.516−00
34	52	8.814+02	8.857−00	5.158−10	1.683−02	0.000−00	0.000−00	0.000−00
34	54	7.341+02	5.556−00	2.245−10	4.232−03	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
34	56	5.618+02	2.294+01	5.426−10	4.583−03	0.000−00	0.000−00	0.000−00
34	57	5.317+02	1.489−00	6.312−11	4.521−04	1.422+02	6.029−09	6.341−03
34	58	5.299+02	4.885−00	1.028−10	7.289−04	0.000−00	0.000−00	0.000−00
34	59	5.261+02	1.524−03	4.745−14	3.293−07	2.407−01	7.493−12	7.799−06
34	60	5.109+02	6.978−01	2.048−11	1.301−04	3.212+01	9.425−10	9.525−04
34	61	4.979+02	9.871−03	3.668−13	2.157−06	7.902−01	2.937−11	2.892−05
34	62	4.747+02	1.585−00	4.015−11	2.046−04	4.930+01	1.249−09	1.173−03
34	65	4.274+02	5.409+01	7.408−10	2.757−03	0.000−00	0.000−00	0.000−00
34	66	4.019+02	1.714−00	2.076−11	6.423−05	0.000−00	0.000−00	0.000−00
34	70	3.366+02	3.732−01	4.754−12	8.637−06	4.565−00	5.815−11	3.871−05
34	76	3.057+02	1.072+01	7.511−11	1.022−04	0.000−00	0.000−00	0.000−00
35	36	2.084+03	1.010−03	2.191−13	7.086−05	0.000−00	0.000−00	0.000−00
35	37	1.897+03	3.575−01	1.286−10	3.135−02	4.568+01	1.643−08	4.622−02
35	38	1.817+03	1.061−05	1.749−15	3.748−07	0.000−00	0.000−00	0.000−00
35	39	1.604+03	2.270−03	5.839−13	8.613−05	4.985−02	1.282−11	3.051−05
35	40	1.384+03	1.219−05	5.837−15	5.534−07	0.000−00	0.000−00	0.000−00
35	41	1.339+03	2.354−03	6.324−13	5.424−05	2.818+01	7.573−09	1.504−02
35	42	1.320+03	4.879−03	1.275−12	1.048−04	2.180+01	5.698−09	1.116−02
35	43	1.294+03	1.016−00	1.701−10	1.317−02	9.864+02	1.651−07	3.169−01
35	44	1.259+03	3.072−07	9.736−17	6.946−09	1.754−01	5.558−11	1.038−04
35	45	1.176+03	1.527−00	1.056−10	6.146−03	0.000−00	0.000−00	0.000−00
35	46	1.130+03	6.045−07	1.157−16	5.962−09	2.695−01	5.157−11	8.644−05
35	47	1.006+03	1.044−00	1.055−10	3.834−03	2.339+03	2.364−07	3.527−01
35	48	9.797+02	1.164−00	1.117−10	3.754−03	2.369+03	2.273−07	3.304−01
35	49	9.509+02	1.113−03	2.011−13	6.180−06	2.088−01	3.774−11	5.324−05
35	50	9.250+02	1.622−01	2.081−11	5.888−04	1.285+03	1.649−07	2.263−01
35	51	9.104+02	3.530−01	4.387−11	1.183−03	3.155+03	3.920−07	5.295−01
35	52	8.955+02	5.542−00	4.442−10	1.140−02	2.186+03	1.752−07	2.327−01
35	53	8.737+02	1.426−00	5.439−11	1.296−03	0.000−00	0.000−00	0.000−00
35	54	7.439+02	1.799−00	9.950−11	1.464−03	2.550+02	1.410−08	1.556−02
35	55	6.885+02	5.814−00	1.377−10	1.606−03	0.000−00	0.000−00	0.000−00
35	56	5.674+02	2.225−01	7.158−12	4.674−05	1.538+01	4.948−10	4.165−04
35	57	5.368+02	4.388−00	2.527−10	1.397−03	5.348+01	3.080−09	2.453−03
35	58	5.350+02	2.194−01	6.277−12	3.434−05	1.299−00	3.716−11	2.949−05
35	59	5.311+02	1.459−03	6.168−14	3.303−07	2.246−00	9.499−11	7.485−05
35	60	5.156+02	2.675−01	1.066−11	5.222−05	2.659+01	1.060−09	8.107−04
35	61	5.023+02	1.131−01	5.703−12	2.583−05	1.848−00	9.320−11	6.946−05
35	62	4.787+02	1.668−00	5.732−11	2.248−04	2.523+01	8.668−10	6.156−04
35	63	4.774+02	3.085+01	3.514−10	1.367−03	0.000−00	0.000−00	0.000−00
35	64	4.462+02	6.556−00	6.522−11	2.070−04	0.000−00	0.000−00	0.000−00
35	65	4.307+02	5.369−04	9.955−15	2.843−08	4.073+02	7.552−09	4.826−03
35	66	4.048+02	4.956−01	8.118−12	1.925−05	1.934−00	3.168−11	1.902−05
35	67	3.624+02	9.741−00	6.394−11	1.088−04	0.000−00	0.000−00	0.000−00
35	70	3.386+02	1.708−01	2.937−12	4.075−06	2.109+01	3.625−10	1.821−04
35	76	3.073+02	5.288+01	4.993−10	5.180−04	5.290+01	4.994−10	2.277−04
36	37	2.112+04	3.274−06	4.379−13	4.914−02	2.059−01	2.754−08	2.876−01
36	38	1.417+04	0.000−00	0.000−00	0.000−00	3.390−01	1.021−08	7.153−02
36	39	6.967+03	6.867−06	9.994−14	4.025−04	8.756−01	1.274−08	4.390−02
36	41	3.744+03	2.372−03	1.496−11	9.354−03	0.000−00	0.000−00	0.000−00
36	42	3.603+03	5.625−03	3.283−11	1.829−02	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
36	43	3.413+03	3.678−03	1.285−11	6.085−03	2.922+02	1.021−06	1.723−00
36	45	2.702+03	0.000−00	0.000−00	0.000−00	4.703+02	5.146−07	6.876−01
36	46	2.468+03	2.968−04	8.128−13	1.455−04	0.000−00	0.000−00	0.000−00
36	47	1.943+03	8.720−02	9.873−11	8.630−03	1.934+02	2.190−07	2.105−01
36	48	1.849+03	1.147−01	1.176−10	8.853−03	2.765+02	2.834−07	2.592−01
36	50	1.663+03	6.785−03	8.443−12	4.629−04	0.000−00	0.000−00	0.000−00
36	51	1.617+03	5.159−03	6.064−12	3.052−04	0.000−00	0.000−00	0.000−00
36	52	1.570+03	3.222−01	2.382−10	1.099−02	3.529+01	2.609−08	2.026−02
36	53	1.504+03	0.000−00	0.000−00	0.000−00	1.099+01	3.730−09	2.775−03
36	54	1.157+03	5.079−01	2.038−10	3.758−03	5.707+01	2.290−08	1.310−02
36	55	1.028+03	0.000−00	0.000−00	0.000−00	1.674+01	2.653−09	1.349−03
36	56	7.798+02	2.095−00	3.819−10	2.157−03	1.067+01	1.945−09	7.500−04
36	58	7.197+02	1.919−00	2.981−10	1.324−03	2.056+01	3.193−09	1.137−03
36	59	7.128+02	2.453−02	5.606−12	2.419−05	0.000−00	0.000−00	0.000−00
36	60	6.851+02	3.094−02	6.532−12	2.502−05	0.000−00	0.000−00	0.000−00
36	62	6.215+02	5.954−01	1.034−10	2.958−04	0.000−00	0.000−00	0.000−00
36	63	6.193+02	0.000−00	0.000−00	0.000−00	8.008+01	4.605−09	1.410−03
36	64	5.677+02	0.000−00	0.000−00	0.000−00	1.581−00	7.639−11	2.145−05
36	65	5.429+02	1.792+01	1.584−09	3.021−03	4.742+02	4.192−08	1.125−02
36	66	5.025+02	1.038+01	7.859−10	1.188−03	6.962−01	5.270−11	1.309−05
36	67	4.387+02	0.000−00	0.000−00	0.000−00	1.813+01	5.231−10	1.135−04
36	70	4.043+02	1.158+02	8.510−09	6.701−03	0.000−00	0.000−00	0.000−00
36	76	3.605+02	9.010+01	3.511−09	1.960−03	1.593+02	6.207−09	1.107−03
37	38	4.307+04	2.487−09	3.458−16	6.585−04	3.635−04	5.056−11	2.154−03
37	39	1.040+04	1.341−06	2.173−14	5.816−04	1.281−01	2.076−09	2.134−02
37	41	4.551+03	2.727−04	1.270−12	2.853−03	6.442−01	3.001−09	1.351−02
37	42	4.344+03	1.508−04	6.397−13	1.249−03	2.832−00	1.202−08	5.162−02
37	43	4.071+03	5.048−04	1.254−12	2.016−03	2.194+01	5.452−08	2.195−01
37	44	3.746+03	1.154−05	4.855−14	6.078−05	0.000−00	0.000−00	0.000−00
37	45	3.098+03	2.082−03	1.497−12	1.061−03	8.493−01	6.110−10	1.872−03
37	46	2.794+03	2.420−06	4.249−15	2.208−06	3.061−01	5.374−10	1.485−03
37	47	2.140+03	1.623−02	1.115−11	2.604−03	7.044+02	4.837−07	1.024−00
37	48	2.026+03	3.014−02	1.856−11	3.679−03	1.073+03	6.605−07	1.324−00
37	49	1.907+03	2.246−04	2.448−13	4.044−05	0.000−00	0.000−00	0.000−00
37	50	1.806+03	1.163−01	8.527−11	1.196−02	1.355+02	9.934−08	1.774−01
37	51	1.751+03	2.063−01	1.422−10	1.818−02	3.278+02	2.259−07	3.911−01
37	52	1.696+03	3.280−02	1.415−11	1.646−03	3.215+02	1.387−07	2.327−01
37	53	1.620+03	1.085−01	2.134−11	2.161−03	4.226+01	8.311−09	1.332−02
37	54	1.224+03	8.488−03	1.906−12	8.323−05	3.523+02	7.910−08	9.575−02
37	55	1.081+03	3.557−00	3.114−10	9.366−03	2.532+02	2.217−08	2.370−02
37	56	8.096+02	4.035−00	3.965−10	5.014−03	1.751+02	1.721−08	1.378−02
37	57	7.486+02	6.219−01	1.045−10	1.045−03	0.000−00	0.000−00	0.000−00
37	58	7.451+02	1.527−00	1.270−10	1.252−03	7.858+01	6.540−09	4.820−03
37	59	7.377+02	1.065−02	1.303−12	1.246−05	2.241+01	2.743−09	2.001−03
37	60	7.080+02	1.557−01	1.755−11	1.484−04	4.012+01	4.523−09	3.167−03
37	61	6.833+02	8.086−03	1.132−12	8.604−06	0.000−00	0.000−00	0.000−00
37	62	6.403+02	1.183−00	1.091−10	6.824−04	1.242+01	1.145−09	7.254−04
37	63	6.380+02	6.851+01	2.091−09	1.294−02	1.317+02	4.020−09	2.537−03
37	64	5.834+02	3.216+01	8.204−10	3.881−03	2.099+01	5.356−10	3.090−04
37	65	5.573+02	5.898+01	2.746−09	1.132−02	2.795+01	1.301−09	7.171−04

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
37	66	5.147+02	3.454−00	1.372−10	4.456−04	4.040−01	1.605−11	8.169−06
37	67	4.480+02	7.890−01	1.187−11	2.544−05	2.893+01	4.353−10	1.929−04
37	70	4.122+02	1.725+01	6.592−10	1.100−03	1.703+01	6.506−10	2.653−04
37	76	3.668+02	1.626+02	3.278−09	3.854−03	3.104+02	6.260−09	2.271−03
38	39	1.370+04	5.501−06	3.097−13	9.493−03	8.418−00	4.739−07	3.212−00
38	41	5.089+03	1.620−03	1.888−11	2.964−02	0.000−00	0.000−00	0.000−00
38	42	4.831+03	1.572−03	1.651−11	2.217−02	0.000−00	0.000−00	0.000−00
38	43	4.496+03	7.234−05	4.385−13	4.747−04	5.136−00	3.113−08	6.922−02
38	45	3.338+03	0.000−00	0.000−00	0.000−00	3.164−00	5.286−09	8.725−03
38	46	2.988+03	1.901−03	7.635−12	2.426−03	0.000−00	0.000−00	0.000−00
38	47	2.252+03	2.325−03	3.536−12	4.811−04	6.006−01	9.133−10	1.017−03
38	48	2.126+03	6.101−03	8.273−12	9.476−04	6.104−01	8.276−10	8.703−04
38	50	1.885+03	3.531−02	5.640−11	4.497−03	0.000−00	0.000−00	0.000−00
38	51	1.825+03	1.436−02	2.150−11	1.556−03	0.000−00	0.000−00	0.000−00
38	52	1.766+03	1.001−02	9.358−12	6.138−04	1.723−01	1.611−10	1.407−04
38	53	1.683+03	0.000−00	0.000−00	0.000−00	9.702+01	4.121−08	3.430−02
38	54	1.260+03	1.122−01	5.336−11	1.270−03	4.149+01	1.974−08	1.230−02
38	55	1.109+03	0.000−00	0.000−00	0.000−00	1.225+03	2.257−07	1.238−01
38	56	8.252+02	7.904−01	1.614−10	1.080−03	2.393+02	4.886−08	1.994−02
38	58	7.582+02	2.980−01	5.136−11	2.667−04	3.442+02	5.934−08	2.225−02
38	59	7.505+02	2.086−00	5.285−10	2.662−03	0.000−00	0.000−00	0.000−00
38	60	7.199+02	9.117−03	2.125−12	9.444−06	0.000−00	0.000−00	0.000−00
38	62	6.500+02	7.459−04	1.418−13	4.637−07	0.000−00	0.000−00	0.000−00
38	63	6.477+02	0.000−00	0.000−00	0.000−00	2.424+03	1.524−07	4.881−02
38	64	5.914+02	0.000−00	0.000−00	0.000−00	3.461+02	1.815−08	5.308−03
38	65	5.646+02	7.244−02	6.923−12	1.484−05	3.803+02	3.635−08	1.015−02
38	66	5.209+02	1.526−00	1.242−10	2.091−04	8.211+02	6.681−08	1.721−02
38	67	4.528+02	0.000−00	0.000−00	0.000−00	6.761+03	2.078−07	4.652−02
38	70	4.162+02	1.307−00	1.018−10	8.742−05	0.000−00	0.000−00	0.000−00
38	76	3.699+02	1.055−00	4.330−11	2.611−05	1.863+02	7.644−09	1.398−03
39	41	8.096+03	5.920−05	8.726−13	1.103−02	1.758+01	2.590−07	2.074−00
39	42	7.461+03	1.540−04	1.928−12	1.908−02	1.841+01	2.305−07	1.701−00
39	43	6.692+03	3.544−05	2.380−13	1.699−03	5.276−01	3.542−09	2.344−02
39	44	5.855+03	4.227−04	4.345−12	2.078−02	0.000−00	0.000−00	0.000−00
39	45	4.413+03	2.309−05	3.370−14	6.900−05	2.624−01	3.831−10	1.672−03
39	46	3.821+03	4.101−05	1.347−13	1.790−04	7.431−01	2.440−09	9.221−03
39	47	2.695+03	1.247−02	1.358−11	6.334−03	9.581−01	1.043−09	2.781−03
39	48	2.517+03	2.804−03	2.663−12	1.012−03	7.804−00	7.413−09	1.846−02
39	49	2.335+03	6.999−02	1.144−10	3.471−02	0.000−00	0.000−00	0.000−00
39	50	2.185+03	2.690−03	2.888−12	7.179−04	7.068−00	7.589−09	1.640−02
39	51	2.105+03	4.066−04	4.051−13	9.004−05	8.254−01	8.226−10	1.713−03
39	52	2.027+03	1.126−02	6.936−12	1.377−03	4.567−01	2.814−10	5.641−04
39	53	1.919+03	1.101−01	3.038−11	5.113−03	1.772+02	4.890−08	9.280−02
39	54	1.387+03	6.220−02	1.794−11	1.141−03	3.808+02	1.098−07	1.507−01
39	55	1.206+03	7.579−01	8.265−11	3.455−03	6.175+02	6.734−08	8.034−02
39	56	8.780+02	2.930−01	3.387−11	5.461−04	1.298+03	1.500−07	1.303−01
39	57	8.067+02	1.707−02	3.331−12	4.166−05	0.000−00	0.000−00	0.000−00
39	58	8.026+02	2.610−03	2.520−13	3.105−06	1.031+03	9.956−08	7.903−02
39	59	7.940+02	1.108−01	1.572−11	1.875−04	1.527−00	2.165−10	1.700−04
39	60	7.598+02	3.687−04	4.786−14	5.002−07	1.240+03	1.610−07	1.210−01

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
39	61	7.314+02	1.967−00	3.155−10	2.941−03	0.000−00	0.000−00	0.000−00
39	62	6.824+02	2.119−01	2.219−11	1.679−04	3.418+02	3.579−08	2.416−02
39	63	6.798+02	3.097−02	1.073−12	8.029−06	1.213+03	4.201−08	2.825−02
39	64	6.181+02	1.806−00	5.171−11	2.909−04	1.439+02	4.120−09	2.518−03
39	65	5.888+02	9.866−01	5.129−11	2.495−04	1.685+03	8.759−08	5.101−02
39	66	5.415+02	1.637−00	7.195−11	2.722−04	3.132+03	1.377−07	7.375−02
39	67	4.682+02	6.183−02	1.016−12	2.485−06	2.766+03	4.546−08	2.105−02
39	70	4.292+02	1.540−04	6.381−15	1.202−08	3.316−00	1.374−10	5.832−05
39	76	3.802+02	4.224−02	9.154−13	1.198−06	7.682+02	1.665−08	6.260−03
40	41	4.070+04	1.516−08	2.259−15	9.071−03	0.000−00	0.000−00	0.000−00
40	42	2.851+04	1.058−07	7.735−15	1.068−02	0.000−00	0.000−00	0.000−00
40	44	1.392+04	2.890−05	6.717−13	1.079−01	9.803−00	2.278−07	7.841−00
40	46	6.144+03	1.793−04	6.091−13	8.415−03	0.000−00	0.000−00	0.000−00
40	49	3.037+03	5.334−02	5.899−11	9.838−02	2.794−00	3.089−09	2.320−02
40	50	2.788+03	8.434−03	5.896−12	7.610−03	0.000−00	0.000−00	0.000−00
40	51	2.659+03	4.751−03	3.022−12	3.383−03	0.000−00	0.000−00	0.000−00
40	57	8.767+02	3.256−03	3.001−13	1.205−05	1.308+02	1.205−08	2.613−02
40	59	8.617+02	2.901−00	1.938−10	7.386−03	0.000−00	0.000−00	0.000−00
40	60	8.216+02	1.047−00	6.358−11	2.100−03	0.000−00	0.000−00	0.000−00
40	61	7.884+02	3.401−00	2.536−10	7.402−03	1.437+04	1.072−06	2.089−00
40	62	7.318+02	3.006−01	1.448−11	3.380−04	0.000−00	0.000−00	0.000−00
40	70	4.483+02	7.833−03	1.416−13	7.596−07	0.000−00	0.000−00	0.000−00
41	42	9.521+04	2.317−09	3.149−15	9.711−02	1.718−02	2.334−08	3.297−00
41	43	3.858+04	1.434−07	2.133−14	4.378−02	3.383−02	5.033−09	2.881−01
41	44	2.116+04	3.911−07	3.499−14	1.184−02	9.299−02	8.318−09	2.611−01
41	45	9.700+03	3.928−05	1.847−13	6.025−03	0.000−00	0.000−00	0.000−00
41	46	7.237+03	3.534−05	2.774−13	3.758−03	1.324−00	1.039−08	1.116−01
41	47	4.040+03	5.874−05	9.581−14	2.257−04	1.216+01	1.984−08	1.189−01
41	48	3.653+03	4.755−03	6.341−12	1.104−02	4.660−01	6.215−10	3.368−03
41	49	3.282+03	1.709−02	3.679−11	4.646−02	3.849+01	8.284−08	4.033−01
41	50	2.993+03	4.331−02	5.816−11	5.572−02	1.280+01	1.718−08	7.629−02
41	51	2.845+03	2.696−02	3.271−11	2.691−02	5.049+01	6.126−08	2.585−01
41	52	2.704+03	1.417−02	1.035−11	7.317−03	8.302−01	6.067−10	2.434−03
41	53	2.515+03	1.144−02	3.617−12	2.056−03	0.000−00	0.000−00	0.000−00
41	54	1.674+03	2.036−01	5.701−11	9.555−03	2.753+02	7.710−08	1.915−01
41	55	1.417+03	1.705−03	1.712−13	1.742−05	0.000−00	0.000−00	0.000−00
41	56	9.848+02	1.014−01	9.831−12	3.356−04	2.803+02	2.717−08	3.970−02
41	57	8.960+02	2.959−03	4.749−13	1.221−05	1.170−00	1.878−10	2.497−04
41	58	8.909+02	1.249−02	9.905−13	2.503−05	5.185+02	4.113−08	5.437−02
41	59	8.804+02	4.646−01	5.399−11	1.317−03	4.306+02	5.004−08	6.536−02
41	60	8.385+02	3.776−01	3.980−11	8.386−04	2.324+03	2.450−07	3.048−01
41	61	8.040+02	5.399−02	6.977−12	1.296−04	5.703+02	7.369−08	8.790−02
41	62	7.452+02	1.646−01	1.371−11	2.027−04	7.199+02	5.993−08	6.626−02
41	63	7.421+02	3.154+01	8.679−10	1.268−02	0.000−00	0.000−00	0.000−00
41	64	6.692+02	2.930+02	6.556−09	7.021−02	0.000−00	0.000−00	0.000−00
41	65	6.350+02	1.120−00	4.513−11	4.130−04	2.069+02	8.338−09	7.855−03
41	66	5.803+02	9.193−00	3.094−10	2.161−03	4.596+02	1.547−08	1.332−02
41	67	4.970+02	5.924−00	7.312−11	3.207−04	0.000−00	0.000−00	0.000−00
41	70	4.533+02	9.317+01	2.870−09	9.550−03	8.256+01	2.543−09	1.710−03
41	76	3.989+02	1.908+01	3.035−10	6.885−04	4.169+01	6.630−10	3.924−04

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
42	43	6.486+04	1.105−08	4.649−15	4.534−02	1.765−02	7.421−09	7.142−01
42	44	2.720+04	1.589−07	2.349−14	1.689−02	6.773−02	1.002−08	4.041−01
42	45	1.080+04	2.583−05	1.506−13	6.779−03	0.000−00	0.000−00	0.000−00
42	46	7.832+03	4.426−05	4.070−13	6.988−03	7.938−01	7.301−09	8.483−02
42	47	4.219+03	1.202−03	2.138−12	5.736−03	5.077−00	9.030−09	5.652−02
42	48	3.798+03	1.388−03	2.001−12	3.920−03	1.227+01	1.769−08	9.971−02
42	49	3.399+03	1.221−02	2.820−11	3.955−02	4.411+01	1.018−07	5.135−01
42	50	3.090+03	1.578−03	2.259−12	2.382−03	1.194+01	1.709−08	7.835−02
42	51	2.932+03	7.855−02	1.013−10	9.125−02	3.674+01	4.736−08	2.061−01
42	52	2.783+03	1.548−02	1.199−11	9.236−03	8.326−00	6.447−09	2.662−02
42	53	2.583+03	6.144−03	2.049−12	1.262−03	0.000−00	0.000−00	0.000−00
42	54	1.704+03	1.944−02	5.641−12	9.971−04	2.163+02	6.275−08	1.586−01
42	55	1.439+03	9.946−03	1.029−12	1.095−04	0.000−00	0.000−00	0.000−00
42	56	9.951+02	1.608−01	1.591−11	5.603−04	2.826+02	2.797−08	4.130−02
42	57	9.045+02	2.122−02	3.470−12	9.177−05	1.839−00	3.008−10	4.037−04
42	58	8.993+02	1.171−01	9.468−12	2.461−04	4.583+02	3.705−08	4.944−02
42	59	8.886+02	5.871−01	6.950−11	1.743−03	1.815+02	2.149−08	2.833−02
42	60	8.459+02	4.058−02	4.353−12	9.418−05	2.437+03	2.614−07	3.281−01
42	61	8.108+02	2.417−01	3.177−11	6.052−04	4.937+02	6.488−08	7.805−02
42	62	7.511+02	1.735−02	1.467−12	2.222−05	7.814+02	6.609−08	7.364−02
42	63	7.479+02	3.050+01	8.527−10	1.275−02	0.000−00	0.000−00	0.000−00
42	64	6.739+02	3.101+02	7.037−09	7.698−02	0.000−00	0.000−00	0.000−00
42	65	6.393+02	3.792−01	1.549−11	1.446−04	4.744+02	1.938−08	1.838−02
42	66	5.839+02	1.786−00	6.086−11	4.330−04	7.238+02	2.466−08	2.136−02
42	67	4.996+02	9.836−01	1.227−11	5.466−05	0.000−00	0.000−00	0.000−00
42	70	4.554+02	9.915+01	3.083−09	1.041−02	2.895−03	9.002−14	6.082−08
42	76	4.006+02	5.820+01	9.335−10	2.145−03	1.396+02	2.239−09	1.330−03
43	44	4.684+04	4.868−10	3.201−16	7.836−04	0.000−00	0.000−00	0.000−00
43	45	1.296+04	7.351−05	9.253−13	4.796−02	3.888−00	4.894−08	6.272−01
43	46	8.908+03	5.326−06	9.503−14	1.600−03	4.953−02	8.838−10	7.786−03
43	47	4.512+03	4.540−03	1.386−11	3.033−02	9.846−02	3.005−10	1.341−03
43	48	4.035+03	1.556−02	3.797−11	5.942−02	4.930−00	1.203−08	4.802−02
43	49	3.586+03	1.467−05	5.657−14	6.217−05	0.000−00	0.000−00	0.000−00
43	50	3.245+03	9.297−03	2.201−11	1.791−02	5.315+01	1.258−07	4.038−01
43	51	3.071+03	1.839−02	3.901−11	2.692−02	1.938+02	4.110−07	1.248−00
43	52	2.908+03	4.854−02	6.155−11	3.606−02	5.138−00	6.514−09	1.874−02
43	53	2.690+03	6.582−03	3.571−12	1.657−03	3.649+01	1.979−08	5.267−02
43	54	1.750+03	3.293−01	1.511−10	1.929−02	8.163−01	3.747−10	6.485−04
43	55	1.471+03	7.700−03	1.250−12	9.484−05	9.320+02	1.513−07	2.201−01
43	56	1.011+03	1.350−00	2.068−10	5.085−03	2.988+01	4.576−09	4.574−03
43	57	9.173+02	5.078−01	1.281−10	2.356−03	0.000−00	0.000−00	0.000−00
43	58	9.120+02	7.088−01	8.839−11	1.597−03	1.662+01	2.073−09	1.870−03
43	59	9.009+02	4.552−03	8.310−13	1.448−05	1.765+01	3.221−09	2.871−03
43	60	8.571+02	1.010−01	1.669−11	2.504−04	2.048−00	3.384−10	2.869−04
43	61	8.211+02	4.359−06	8.813−16	1.162−08	0.000−00	0.000−00	0.000−00
43	62	7.599+02	3.101−00	4.026−10	4.209−03	6.510−02	8.453−12	6.353−06
43	63	7.566+02	5.101−00	2.189−10	2.259−03	1.683+03	7.222−08	5.404−02
43	64	6.810+02	1.609+02	5.592−09	4.207−02	9.376+02	3.259−08	2.195−02
43	65	6.456+02	2.099−00	1.312−10	8.412−04	1.060+02	6.622−09	4.229−03
43	66	5.892+02	2.651−00	1.380−10	6.724−04	2.506+01	1.304−09	7.600−04

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
43	67	5.035+02	1.471+01	2.795−10	8.498−04	3.664+02	6.961−09	3.466−03
43	70	4.586+02	6.094−00	2.883−10	6.627−04	7.315+01	3.460−09	1.570−03
43	76	4.031+02	5.938+01	1.446−09	2.257−03	1.395−02	3.397−13	1.354−07
44	46	1.100+04	8.146−05	1.108−12	7.029−02	2.835+01	3.856−07	8.391−00
44	47	4.993+03	1.492−03	2.788−12	1.654−02	0.000−00	0.000−00	0.000−00
44	48	4.415+03	1.169−03	1.709−12	7.007−03	0.000−00	0.000−00	0.000−00
44	49	3.884+03	6.155−03	1.392−11	3.886−02	3.144+01	7.111−08	5.463−01
44	50	3.486+03	7.535−03	1.030−11	2.079−02	2.122−00	2.900−09	2.000−02
44	51	3.287+03	4.636−03	5.631−12	9.527−03	2.637−00	3.203−09	2.083−02
44	52	3.100+03	1.162−07	8.372−17	1.189−07	0.000−00	0.000−00	0.000−00
44	54	1.818+03	1.321−01	3.272−11	9.364−03	0.000−00	0.000−00	0.000−00
44	56	1.033+03	1.368−00	1.094−10	5.746−03	0.000−00	0.000−00	0.000−00
44	57	9.356+02	1.106−03	1.452−13	5.666−06	4.654−01	6.108−11	1.131−04
44	58	9.301+02	5.501−02	3.567−12	1.368−04	0.000−00	0.000−00	0.000−00
44	59	9.186+02	1.426−00	1.353−10	4.998−03	4.852+03	4.604−07	8.366−01
44	60	8.731+02	9.016−02	7.728−12	2.451−04	6.689+03	5.733−07	9.902−01
44	61	8.358+02	3.905−01	4.090−11	1.138−03	7.492−00	7.846−10	1.297−03
44	62	7.724+02	8.642−02	5.797−12	1.273−04	1.848+03	1.240−07	1.894−01
44	65	6.547+02	1.460−00	4.692−11	6.273−04	0.000−00	0.000−00	0.000−00
44	66	5.967+02	4.071−00	1.087−10	1.100−03	0.000−00	0.000−00	0.000−00
44	70	4.632+02	6.076−02	1.466−12	6.940−06	1.758+01	4.242−10	3.886−04
44	76	4.066+02	4.624−01	5.730−12	1.835−05	0.000−00	0.000−00	0.000−00
45	46	2.850+04	8.998−10	3.287−16	9.063−05	0.000−00	0.000−00	0.000−00
45	47	6.923+03	5.401−04	7.762−12	3.068−02	6.952−00	9.990−08	3.420−01
45	48	5.859+03	1.414−03	1.456−11	3.488−02	1.189+01	1.224−07	3.547−01
45	50	4.328+03	2.345−03	1.976−11	1.909−02	0.000−00	0.000−00	0.000−00
45	51	4.025+03	6.904−03	5.031−11	3.909−02	0.000−00	0.000−00	0.000−00
45	52	3.750+03	4.630−03	1.952−11	1.225−02	1.073+01	4.521−08	8.383−02
45	53	3.395+03	0.000−00	0.000−00	0.000−00	4.327+01	7.478−08	1.256−01
45	54	2.023+03	1.732−02	2.125−11	2.096−03	1.829−00	2.244−09	2.245−03
45	55	1.660+03	0.000−00	0.000−00	0.000−00	3.083+02	1.273−07	1.045−01
45	56	1.096+03	9.589−02	3.455−11	5.420−04	1.566−00	5.641−10	3.058−04
45	58	9.810+02	5.433−02	1.568−11	1.763−04	8.971−01	2.589−10	1.256−04
45	59	9.683+02	2.907−05	1.226−14	1.325−07	0.000−00	0.000−00	0.000−00
45	60	9.178+02	2.194−03	8.311−13	7.655−06	0.000−00	0.000−00	0.000−00
45	62	8.072+02	1.374−02	4.026−12	2.522−05	0.000−00	0.000−00	0.000−00
45	63	8.036+02	0.000−00	0.000−00	0.000−00	1.037+03	1.004−07	3.989−02
45	64	7.188+02	0.000−00	0.000−00	0.000−00	3.338−00	2.585−10	9.190−05
45	65	6.795+02	8.652−01	1.198−10	4.476−04	2.780+01	3.848−09	1.293−03
45	66	6.172+02	4.316−01	4.931−11	1.381−04	5.797−00	6.622−10	2.021−04
45	67	5.238+02	0.000−00	0.000−00	0.000−00	1.103+02	4.538−09	1.175−03
45	70	4.755+02	6.169−02	6.273−12	8.032−06	0.000−00	0.000−00	0.000−00
45	76	4.160+02	2.582−00	1.340−10	1.149−04	5.181+01	2.688−09	5.531−04
46	47	9.144+03	2.503−04	2.092−12	5.716−02	2.494+01	2.084−07	2.827−00
46	48	7.376+03	3.703−04	2.013−12	2.887−02	2.568+01	1.396−07	1.528−00
46	49	6.004+03	5.565−04	4.010−12	3.101−02	4.203−01	3.028−09	2.697−02
46	50	5.104+03	7.792−04	3.043−12	1.445−02	2.545+01	9.940−08	7.526−01
46	51	4.687+03	2.543−04	8.377−13	3.083−03	1.227+01	4.043−08	2.811−01
46	52	4.318+03	4.616−05	8.600−14	2.474−04	1.005+01	1.873−08	1.200−01
46	53	3.854+03	9.688−03	7.192−12	1.472−02	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
46	54	2.178+03	1.361−02	6.448−12	2.379−03	6.192−01	2.934−10	9.481−04
46	55	1.762+03	4.437−01	6.889−11	1.348−02	0.000−00	0.000−00	0.000−00
46	56	1.140+03	4.157−01	5.399−11	2.858−03	4.399+02	5.713−08	9.662−02
46	57	1.023+03	5.017−03	1.049−12	4.009−05	8.568−00	1.791−09	2.718−03
46	58	1.016+03	5.443−01	5.615−11	2.105−03	9.858+03	1.017−06	1.533−00
46	59	1.002+03	4.022−01	6.057−11	2.180−03	4.105+02	6.183−08	9.195−02
46	60	9.484+02	3.283−02	4.427−12	1.350−04	3.479+02	4.691−08	6.600−02
46	61	9.045+02	7.103−03	1.162−12	3.071−05	2.727+02	4.459−08	5.983−02
46	62	8.307+02	1.308−03	1.354−13	2.773−06	7.109+01	7.355−09	9.065−03
46	63	8.269+02	2.662−00	9.095−11	1.838−03	0.000−00	0.000−00	0.000−00
46	64	7.374+02	6.503−02	1.767−12	2.532−05	0.000−00	0.000−00	0.000−00
46	65	6.961+02	3.858−01	1.869−11	2.252−04	6.455+02	3.126−08	3.229−02
46	66	6.309+02	9.566−01	3.806−11	3.416−04	4.120+02	1.639−08	1.534−02
46	67	5.336+02	1.665−01	2.370−12	1.287−05	0.000−00	0.000−00	0.000−00
46	70	4.835+02	4.773−01	1.673−11	6.759−05	8.981−00	3.148−10	2.259−04
46	76	4.222+02	9.873−00	1.759−10	4.730−04	3.109+02	5.539−09	3.469−03
47	48	3.813+04	8.408−08	1.833−14	2.422−02	2.602−01	5.672−08	2.139−00
47	49	1.748+04	1.124−07	1.030−14	1.311−03	0.000−00	0.000−00	0.000−00
47	50	1.155+04	6.802−07	2.040−14	7.489−04	5.064−00	1.519−07	1.735−00
47	51	9.617+03	5.198−07	1.081−14	2.291−04	6.639−02	1.381−09	1.314−02
47	52	8.180+03	1.547−06	1.552−14	2.023−04	1.140−00	1.143−08	9.250−02
47	53	6.663+03	6.495−04	2.161−12	1.523−02	2.006+01	6.675−08	4.399−01
47	54	2.858+03	2.290−02	2.805−11	1.561−02	2.167+01	2.654−08	7.503−02
47	55	2.183+03	1.276−01	4.561−11	1.131−02	3.197+02	1.142−07	2.467−01
47	56	1.302+03	3.515−01	8.939−11	4.704−03	1.551+03	3.943−07	5.079−01
47	57	1.151+03	1.032−01	4.103−11	1.492−03	0.000−00	0.000−00	0.000−00
47	58	1.143+03	1.897−01	3.715−11	1.322−03	1.070+03	2.095−07	2.369−01
47	59	1.126+03	5.994−04	1.708−13	5.806−06	9.896+01	2.820−08	3.140−02
47	60	1.058+03	1.450−02	3.652−12	1.031−04	2.030+02	5.110−08	5.348−02
47	61	1.004+03	2.743−03	8.286−13	1.997−05	0.000−00	0.000−00	0.000−00
47	62	9.137+02	7.198−01	1.351−10	2.456−03	1.525+01	2.863−09	2.587−03
47	63	9.091+02	4.405−00	2.729−10	4.884−03	1.108+03	6.861−08	6.169−02
47	64	8.020+02	7.752−00	3.738−10	4.595−03	8.638+02	4.165−08	3.304−02
47	65	7.535+02	3.711−00	3.159−10	3.219−03	1.776+02	1.511−08	1.126−02
47	66	6.777+02	6.636−02	4.569−12	3.388−05	4.551+02	3.133−08	2.100−02
47	67	5.667+02	1.956+01	4.708−10	2.041−03	3.126+03	7.526−08	4.218−02
47	70	5.105+02	1.194−01	6.998−12	2.219−05	4.898−00	2.871−10	1.450−04
47	76	4.426+02	3.076−01	9.036−12	1.867−05	4.967+01	1.459−09	6.387−04
48	49	3.228+04	3.152−09	9.850−16	7.895−04	0.000−00	0.000−00	0.000−00
48	50	1.657+04	7.333−07	4.526−14	4.903−03	1.445−02	8.919−10	1.462−02
48	51	1.286+04	1.259−06	4.683−14	2.373−03	2.755−00	1.025−07	1.304−00
48	52	1.041+04	1.004−05	1.632−13	4.390−03	1.223−00	1.988−08	2.048−01
48	53	8.073+03	2.173−04	1.062−12	1.331−02	3.913−00	1.912−08	1.527−01
48	54	3.090+03	1.966−03	2.814−12	1.978−03	6.342+01	9.078−08	2.774−01
48	55	2.316+03	5.483−02	2.205−11	6.524−03	1.072+02	4.311−08	9.875−02
48	56	1.348+03	4.263−01	1.162−10	6.787−03	7.017+01	1.913−08	2.551−02
48	57	1.187+03	1.004−00	4.244−10	1.692−02	0.000−00	0.000−00	0.000−00
48	58	1.178+03	1.008−01	2.099−11	8.182−04	1.240+03	2.581−07	3.008−01
48	59	1.160+03	5.964−03	1.804−12	6.709−05	1.220+02	3.690−08	4.234−02
48	60	1.088+03	5.167−01	1.376−10	4.227−03	8.500+01	2.264−08	2.437−02

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
48	61	1.031+03	7.295−03	2.325−12	6.068−05	0.000−00	0.000−00	0.000−00
48	62	9.362+02	2.157−00	4.251−10	8.310−03	1.225−00	2.413−10	2.235−04
48	63	9.313+02	6.317−00	4.107−10	7.902−03	2.156+03	1.402−07	1.291−01
48	64	8.193+02	7.669−00	3.858−10	5.055−03	1.789+03	8.999−08	7.292−02
48	65	7.686+02	5.482−00	4.856−10	5.254−03	1.226+03	1.086−07	8.257−02
48	66	6.899+02	4.349−00	3.103−10	2.428−03	8.458+01	6.036−09	4.119−03
48	67	5.752+02	8.726−00	2.164−10	9.815−04	1.694+03	4.202−08	2.391−02
48	70	5.175+02	1.045−01	6.293−12	2.077−05	3.132−00	1.886−10	9.654−05
48	76	4.478+02	2.808+01	8.443−10	1.807−03	2.651+01	7.970−10	3.530−04
49	50	3.403+04	4.643−11	6.046−18	1.136−05	2.622−01	3.415−08	2.299−00
49	51	2.138+04	1.892−10	9.720−18	4.525−06	4.569−01	2.348−08	9.928−01
49	52	1.537+04	1.487−07	2.634−15	4.559−04	0.000−00	0.000−00	0.000−00
49	54	3.417+03	3.088−04	2.702−13	5.137−04	0.000−00	0.000−00	0.000−00
49	56	1.407+03	6.370−03	9.454−13	1.255−04	0.000−00	0.000−00	0.000−00
49	57	1.233+03	1.147−03	2.612−13	2.331−05	2.083+01	4.745−09	1.157−02
49	58	1.223+03	3.072−02	3.444−12	3.002−04	0.000−00	0.000−00	0.000−00
49	59	1.203+03	3.455−01	5.624−11	4.668−03	2.719+03	4.426−07	1.054−00
49	60	1.126+03	1.003−00	1.431−10	9.739−03	1.193+03	1.701−07	3.790−01
49	61	1.065+03	1.393−01	2.369−11	1.363−03	4.780+03	8.127−07	1.712−00
49	62	9.641+02	6.613−01	6.911−11	2.951−03	2.961+02	3.095−08	5.902−02
49	65	7.874+02	1.229−01	5.710−12	1.328−04	0.000−00	0.000−00	0.000−00
49	66	7.050+02	3.492−01	1.301−11	2.172−04	0.000−00	0.000−00	0.000−00
49	70	5.259+02	2.508−01	7.800−12	5.406−05	9.684−00	3.011−10	3.133−04
49	76	4.541+02	8.490−01	1.313−11	5.857−05	0.000−00	0.000−00	0.000−00
50	51	5.748+04	2.785−08	1.379−14	9.364−02	7.463−03	3.697−09	3.153−01
50	52	2.803+04	1.223−08	9.608−16	7.565−04	1.695−02	1.332−09	5.538−02
50	53	1.575+04	6.245−07	7.738−15	1.080−03	0.000−00	0.000−00	0.000−00
50	54	3.798+03	4.851−03	6.995−12	1.370−02	2.675+01	3.857−08	2.174−01
50	55	2.692+03	9.296−03	3.367−12	2.348−03	0.000−00	0.000−00	0.000−00
50	56	1.468+03	1.173−00	2.526−10	2.855−02	6.526+02	1.405−07	3.060−01
50	57	1.279+03	1.759−02	5.752−12	4.299−04	6.665−04	2.179−13	4.135−07
50	58	1.269+03	8.267−01	1.330−10	9.700−03	4.913+02	7.902−08	1.487−01
50	59	1.247+03	1.262−02	2.943−12	2.040−04	2.817+03	6.571−07	1.216−00
50	60	1.165+03	2.665−01	5.421−11	3.062−03	9.148+01	1.861−08	3.216−02
50	61	1.099+03	3.936−02	9.508−12	4.514−04	3.149+02	7.606−08	1.240−01
50	62	9.922+02	1.644−01	2.426−11	8.470−04	2.014+01	2.973−09	4.376−03
50	63	9.867+02	1.329−00	6.464−11	2.220−03	0.000−00	0.000−00	0.000−00
50	64	8.619+02	1.369+01	5.083−10	1.163−02	0.000−00	0.000−00	0.000−00
50	65	8.060+02	1.160+01	7.532−10	1.410−02	7.670+02	4.980−08	5.956−02
50	66	7.199+02	1.627−00	8.428−11	1.124−03	1.380+03	7.148−08	7.635−02
50	67	5.959+02	4.078−00	7.237−11	5.473−04	0.000−00	0.000−00	0.000−00
50	70	5.342+02	1.256−01	5.373−12	2.926−05	9.908−00	4.238−10	3.359−04
50	76	4.603+02	6.776−00	1.435−10	4.999−04	2.472+02	5.234−09	3.574−03
51	52	5.472+04	2.452−08	7.338−15	4.296−02	8.707−03	2.606−09	2.115−01
51	53	2.169+04	3.166−07	7.442−15	2.712−03	0.000−00	0.000−00	0.000−00
51	54	4.067+03	4.960−03	8.200−12	1.971−02	1.161+01	1.920−08	1.158−01
51	55	2.825+03	6.162−04	2.457−13	1.979−04	0.000−00	0.000−00	0.000−00
51	56	1.506+03	3.138−01	7.115−11	8.691−03	5.112+02	1.159−07	2.591−01
51	57	1.308+03	5.450−03	1.864−12	1.491−04	1.455−02	4.976−12	9.657−06
51	58	1.297+03	6.827−02	1.148−11	8.957−04	7.910+01	1.330−08	2.560−02

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
51	59	1.275+03	2.875−03	7.006−13	5.189−05	1.216+03	2.963−07	5.605−01
51	60	1.189+03	9.697−02	2.055−11	1.234−03	2.378+01	5.039−09	8.889−03
51	61	1.121+03	4.622−03	1.160−12	5.838−05	1.540+02	3.865−08	6.427−02
51	62	1.010+03	1.605−01	2.453−11	9.022−04	9.924−00	1.517−09	2.272−03
51	63	1.004+03	8.056−01	4.058−11	1.468−03	0.000−00	0.000−00	0.000−00
51	64	8.750+02	1.822+01	6.971−10	1.669−02	0.000−00	0.000−00	0.000−00
51	65	8.175+02	3.285+01	2.194−09	4.284−02	3.532−00	2.359−10	2.861−04
51	66	7.290+02	8.283−01	4.400−11	6.093−04	5.358+02	2.846−08	3.078−02
51	67	6.022+02	2.153−01	3.901−12	3.044−05	0.000−00	0.000−00	0.000−00
51	70	5.392+02	1.584−00	6.904−11	3.867−04	1.109+02	4.834−09	3.867−03
51	76	4.640+02	8.932+01	1.922−09	6.860−03	3.729+02	8.022−09	5.522−03
52	53	3.592+04	3.950−08	3.821−15	4.221−03	1.085−01	1.049−08	3.728−01
52	54	4.394+03	3.290−03	9.520−12	1.924−02	3.490−00	1.010−08	4.389−02
52	55	2.978+03	4.151−05	2.760−14	1.737−05	4.931+01	3.279−08	9.659−02
52	56	1.549+03	8.160−01	2.935−10	2.599−02	9.658−00	3.474−09	5.322−03
52	57	1.340+03	2.425−00	1.306−09	7.486−02	0.000−00	0.000−00	0.000−00
52	58	1.329+03	1.373−01	3.635−11	2.031−03	3.558+01	9.416−09	1.237−02
52	59	1.305+03	1.244−03	4.766−13	2.525−05	3.468+02	1.329−07	1.716−01
52	60	1.215+03	4.642−01	1.542−10	6.593−03	6.362+01	2.113−08	2.540−02
52	61	1.144+03	9.796−03	3.845−12	1.372−04	0.000−00	0.000−00	0.000−00
52	62	1.029+03	2.805−00	6.674−10	1.731−02	1.163−01	2.767−11	2.815−05
52	63	1.023+03	1.926+01	1.510−09	3.849−02	2.725+03	2.136−07	2.161−01
52	64	8.892+02	1.648−00	9.769−11	1.637−03	9.076+03	5.380−07	4.732−01
52	65	8.299+02	1.727−00	1.783−10	2.428−03	6.710+01	6.928−09	5.687−03
52	66	7.389+02	9.676−00	7.920−10	7.612−03	4.769+02	3.904−08	2.853−02
52	67	6.089+02	5.364+01	1.491−09	8.016−03	3.024+02	8.403−09	5.060−03
52	70	5.445+02	7.506−00	5.005−10	1.925−03	1.255+02	8.371−09	4.508−03
52	76	4.680+02	3.962+01	1.301−09	3.176−03	3.448+02	1.132−08	5.239−03
53	54	5.006+03	9.563−04	7.185−12	1.073−02	8.845+01	6.645−07	1.645−00
53	55	3.248+03	0.000−00	0.000−00	0.000−00	3.687+01	5.829−08	9.362−02
53	56	1.619+03	5.770−02	4.533−11	2.291−03	1.176+02	9.240−08	7.397−02
53	58	1.380+03	1.535−02	8.760−12	2.741−04	2.234+02	1.275−07	8.701−02
53	59	1.355+03	3.567−03	2.944−12	8.715−05	0.000−00	0.000−00	0.000−00
53	60	1.258+03	9.640−02	6.860−11	1.627−03	0.000−00	0.000−00	0.000−00
53	62	1.059+03	3.642−01	1.837−10	2.599−03	0.000−00	0.000−00	0.000−00
53	63	1.053+03	0.000−00	0.000−00	0.000−00	2.438+02	4.050−08	2.109−02
53	64	9.118+02	0.000−00	0.000−00	0.000−00	4.018+01	5.008−09	2.258−03
53	65	8.495+02	2.700−01	5.844−11	4.268−04	9.614+02	2.080−07	8.741−02
53	66	7.544+02	2.066−00	3.525−10	1.803−03	3.112+02	5.310−08	1.981−02
53	67	6.194+02	0.000−00	0.000−00	0.000−00	1.007+03	5.790−08	1.773−02
53	70	5.529+02	7.020−00	9.652−10	1.944−03	0.000−00	0.000−00	0.000−00
53	76	4.741+02	1.620+01	1.092−09	1.386−03	2.162+03	1.457−07	3.416−02
54	55	9.246+03	1.066−05	6.830−14	1.286−03	1.284+01	8.225−08	7.522−01
54	56	2.392+03	6.198−02	5.318−11	1.735−02	2.465+01	2.115−08	5.004−02
54	57	1.928+03	3.013−02	3.358−11	5.735−03	0.000−00	0.000−00	0.000−00
54	58	1.905+03	6.016−03	3.272−12	5.387−04	3.025+01	1.645−08	3.099−02
54	59	1.857+03	6.313−03	4.896−12	7.471−04	1.264+03	9.800−07	1.800−00
54	60	1.680+03	3.169−01	2.011−10	2.273−02	5.003+02	3.175−07	5.277−01
54	61	1.547+03	6.343−02	4.552−11	4.016−03	0.000−00	0.000−00	0.000−00
54	62	1.343+03	1.269−00	5.149−10	2.972−02	6.256+01	2.538−08	3.371−02

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
54	63	1.333+03	1.878−01	2.502−11	1.412−03	3.592+01	4.785−09	6.309−03
54	64	1.115+03	9.059−04	8.440−14	2.787−06	1.438+03	1.340−07	1.477−01
54	65	1.023+03	3.615−03	5.674−13	1.448−05	4.343−00	6.817−10	6.899−04
54	66	8.883+02	6.820−00	8.067−10	1.347−02	8.735+02	1.033−07	9.078−02
54	67	7.068+02	4.654−01	1.743−11	1.466−04	6.633+02	2.484−08	1.736−02
54	70	6.216+02	4.156−00	3.611−10	2.066−03	1.515+02	1.316−08	8.092−03
54	76	5.237+02	3.987−01	1.640−11	5.612−05	5.607+02	2.306−08	1.194−02
55	56	3.228+03	1.323−02	4.133−11	1.655−02	3.621+02	1.131−06	1.805−00
55	58	2.399+03	2.563−02	4.422−11	7.272−03	5.135−00	8.861−09	1.051−02
55	59	2.324+03	7.037−04	1.709−12	2.555−04	0.000−00	0.000−00	0.000−00
55	60	2.053+03	7.027−03	1.332−11	1.373−03	0.000−00	0.000−00	0.000−00
55	62	1.571+03	4.773−02	5.300−11	2.450−03	0.000−00	0.000−00	0.000−00
55	63	1.558+03	0.000−00	0.000−00	0.000−00	8.492+01	3.089−08	2.379−02
55	64	1.268+03	0.000−00	0.000−00	0.000−00	1.490+01	3.589−09	2.250−03
55	65	1.150+03	7.908−02	3.138−11	5.693−04	7.597+01	3.015−08	1.715−02
55	66	9.827+02	1.677−02	4.854−12	5.487−05	7.582+02	2.195−07	1.067−01
55	67	7.653+02	0.000−00	0.000−00	0.000−00	5.614+02	4.929−08	1.866−02
55	70	6.664+02	7.350−01	1.468−10	5.174−04	0.000−00	0.000−00	0.000−00
55	76	5.552+02	2.709−00	2.503−10	5.103−04	1.138+02	1.052−08	2.888−03
56	57	9.935+03	1.849−06	5.472−14	1.278−03	0.000−00	0.000−00	0.000−00
56	58	9.344+03	6.331−05	8.287−13	1.611−02	4.812−00	6.298−08	5.821−01
56	59	8.300+03	5.572−05	8.632−13	1.176−02	2.095+01	3.246−07	2.665−00
56	60	5.643+03	2.460−05	1.762−13	7.540−04	1.119−02	8.010−11	4.471−04
56	61	4.378+03	1.195−04	6.867−13	1.373−03	0.000−00	0.000−00	0.000−00
56	62	3.062+03	5.223−02	1.101−10	7.535−02	2.140+01	4.514−08	1.367−01
56	63	3.011+03	1.229−02	8.352−12	5.429−03	2.297+02	1.561−07	4.648−01
56	64	2.088+03	7.462−02	2.438−11	5.286−03	4.472+01	1.461−08	3.018−02
56	65	1.788+03	6.210−02	2.975−11	4.050−03	6.425+01	3.078−08	5.443−02
56	66	1.413+03	3.143−01	9.406−11	6.320−03	2.204+02	6.596−08	9.218−02
56	67	1.003+03	4.165−03	3.143−13	7.559−06	8.682+02	6.550−08	6.499−02
56	70	8.397+02	2.410−01	3.822−11	5.392−04	4.345+02	6.890−08	5.723−02
56	76	6.705+02	8.956−01	6.036−11	4.335−04	2.375+03	1.601−07	1.062−01
57	58	1.571+05	3.652−12	6.755−18	1.248−03	0.000−00	0.000−00	0.000−00
57	59	5.046+04	1.925−12	5.510−19	3.372−06	1.223−03	3.502−10	3.495−02
57	60	1.306+04	2.729−05	5.235−13	5.557−02	4.499−01	8.629−09	2.229−01
57	61	7.828+03	1.112−08	1.022−16	2.337−06	5.519−02	5.070−10	7.852−03
57	62	4.427+03	1.651−02	3.638−11	1.503−01	4.716+01	1.039−07	9.099−01
57	65	2.180+03	8.994−02	3.204−11	1.582−02	0.000−00	0.000−00	0.000−00
57	66	1.647+03	1.967−01	3.999−11	8.515−03	0.000−00	0.000−00	0.000−00
57	70	9.173+02	3.057−00	2.892−10	1.064−02	1.320+04	1.248−06	2.265−00
57	76	7.190+02	4.178−00	1.619−10	2.869−03	0.000−00	0.000−00	0.000−00
58	59	7.433+04	3.906−09	4.853−15	4.748−02	1.515−02	1.883−08	1.384−00
58	60	1.424+04	4.067−06	1.856−13	1.278−02	2.897−00	1.322−07	1.863−00
58	61	8.239+03	3.114−05	6.337−13	8.443−03	0.000−00	0.000−00	0.000−00
58	62	4.555+03	1.523−03	7.107−12	1.600−02	2.323+01	1.084−07	4.882−01
58	63	4.442+03	1.377−03	2.037−12	4.252−03	5.899−02	8.724−11	3.833−04
58	64	2.689+03	7.651−04	4.145−13	1.919−04	2.336+01	1.266−08	3.366−02
58	65	2.211+03	3.239−02	2.373−11	6.109−03	7.639+01	5.597−08	1.224−01
58	66	1.665+03	1.432−01	5.946−11	6.534−03	1.312−00	5.449−10	8.972−04
58	67	1.124+03	3.921−00	3.712−10	1.256−02	1.505+02	1.425−08	1.584−02

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
58	70	9.227+02	1.920−01	3.675−11	6.877−04	6.420+01	1.229−08	1.122−02
58	76	7.223+02	2.316−00	1.812−10	1.627−03	3.145+02	2.461−08	1.758−02
59	60	1.762+04	2.929−07	1.364−14	2.667−03	7.483−01	3.484−08	9.108−01
59	61	9.266+03	1.103−05	1.892−13	5.379−03	2.271+01	3.897−07	5.358−00
59	62	4.852+03	7.210−05	2.545−13	1.039−03	7.038−00	2.485−08	1.789−01
59	63	4.724+03	2.999−05	3.345−14	1.260−04	0.000−00	0.000−00	0.000−00
59	64	2.789+03	1.197−04	4.653−14	3.609−05	0.000−00	0.000−00	0.000−00
59	65	2.278+03	2.677−05	1.389−14	5.871−06	8.035+01	4.169−08	1.409−01
59	66	1.703+03	3.376−02	9.783−12	1.726−03	6.312+02	1.829−07	4.620−01
59	67	1.141+03	2.906−02	1.891−12	1.004−04	0.000−00	0.000−00	0.000−00
59	70	9.343+02	2.772−03	3.628−13	1.057−05	1.727−01	2.260−11	3.132−05
59	76	7.294+02	7.047−03	3.748−13	5.198−06	2.122+02	1.128−08	1.221−02
60	61	1.954+04	4.481−06	3.420−13	9.119−02	1.621−01	1.237−08	3.586−01
60	62	6.696+03	9.027−09	6.068−17	6.512−07	2.097−00	1.410−08	1.401−01
60	63	6.454+03	2.401−05	4.997−14	4.801−04	0.000−00	0.000−00	0.000−00
60	64	3.314+03	1.251−05	6.863−15	8.927−06	0.000−00	0.000−00	0.000−00
60	65	2.617+03	3.830−03	2.621−12	1.679−03	1.007+01	6.890−09	2.675−02
60	66	1.885+03	1.016−00	3.609−10	8.636−02	5.312+02	1.886−07	5.274−01
60	67	1.220+03	4.327−00	3.219−10	2.090−02	0.000−00	0.000−00	0.000−00
60	70	9.866+02	1.103−01	1.610−11	5.523−04	9.452+02	1.379−07	2.019−01
60	76	7.609+02	6.231−00	3.606−10	5.678−03	7.971+02	4.613−08	5.208−02
61	62	1.019+04	6.334−05	7.391−13	3.723−02	4.513−01	5.266−09	1.061−01
61	65	3.021+03	3.823−03	2.616−12	3.438−03	0.000−00	0.000−00	0.000−00
61	66	2.086+03	1.700−02	5.546−12	2.399−03	0.000−00	0.000−00	0.000−00
61	70	1.039+03	1.152−01	1.398−11	7.474−04	3.349+01	4.065−09	8.355−03
61	76	7.918+02	5.512−01	2.590−11	6.127−04	0.000−00	0.000−00	0.000−00
62	63	1.785+05	3.205−11	5.105−17	1.038−02	0.000−00	0.000−00	0.000−00
62	64	6.561+03	4.278−04	9.203−13	9.290−03	0.000−00	0.000−00	0.000−00
62	65	4.295+03	9.268−03	1.709−11	4.841−02	3.412+01	6.292−08	4.010−01
62	66	2.623+03	5.112−02	3.516−11	2.268−02	1.053+02	7.244−08	2.819−01
62	67	1.492+03	1.968−02	2.189−12	2.598−04	0.000−00	0.000−00	0.000−00
62	70	1.157+03	6.686−06	1.342−15	7.428−08	3.398+03	6.819−07	1.171−00
62	76	8.585+02	2.125−00	1.565−10	3.539−03	5.396+03	3.975−07	5.062−01
63	64	6.812+03	0.000−00	0.000−00	0.000−00	1.919−02	1.335−10	4.497−04
63	65	4.401+03	5.441−03	3.161−11	3.210−02	4.928+01	2.862−07	6.230−01
63	66	2.662+03	8.233−03	1.750−11	3.933−03	5.126+01	1.089−07	1.434−01
63	67	1.505+03	0.000−00	0.000−00	0.000−00	1.688+01	5.730−09	4.264−03
63	70	1.165+03	2.281−00	1.392−09	2.618−02	0.000−00	0.000−00	0.000−00
63	76	8.626+02	5.769−00	1.287−09	9.843−03	1.748+03	3.900−07	1.664−01
64	65	1.244+04	6.286−05	2.916−12	6.684−02	1.653−00	7.666−08	4.716−01
64	66	4.370+03	4.508−04	2.582−12	2.567−03	1.201−00	6.879−09	1.487−02
64	67	1.931+03	0.000−00	0.000−00	0.000−00	7.795−01	4.358−10	4.162−04
64	70	1.405+03	2.242−00	1.990−09	6.571−02	0.000−00	0.000−00	0.000−00
64	76	9.877+02	2.015+01	5.895−09	6.767−02	4.537+02	1.327−07	6.483−02
65	66	6.738+03	1.386−09	9.433−18	6.875−08	4.915−00	3.345−08	2.230−01
65	67	2.286+03	5.746−03	2.251−12	6.407−04	4.913+01	1.925−08	4.352−02
65	70	1.584+03	3.741−03	2.110−12	1.996−04	1.540+02	8.687−08	1.361−01
65	76	1.073+03	6.194−02	1.069−11	3.146−04	1.374+03	2.372−07	2.517−01
66	67	3.460+03	5.231−02	4.694−11	4.632−02	2.913+02	2.614−07	8.945−01
66	70	2.070+03	4.503−02	4.340−11	9.172−03	1.559+02	1.503−07	3.076−01

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
66	76	1.276+03	1.127−00	2.752−10	1.363−02	1.839+03	4.491−07	5.669−01
67	70	5.154+03	1.187−04	1.417−12	2.311−03	0.000−00	0.000−00	0.000−00
67	76	2.022+03	2.552−02	3.128−11	3.080−03	5.006+02	6.136−07	6.135−01
68	69	1.262+04	9.641−05	4.608−12	1.104−01	1.845+01	8.820−07	5.507−00
68	71	4.892+03	4.152−03	4.470−11	6.235−02	0.000−00	0.000−00	0.000−00
68	77	2.269+03	2.152−03	4.983−12	6.932−04	0.000−00	0.000−00	0.000−00
68	78	2.068+03	3.944−02	5.058−11	5.329−03	5.288+01	6.782−08	6.936−02
68	80	1.787+03	6.660−02	9.566−11	6.503−03	0.000−00	0.000−00	0.000−00
68	81	1.640+03	0.000−00	0.000−00	0.000−00	3.151+01	1.270−08	1.030−02
68	83	1.322+03	0.000−00	0.000−00	0.000−00	3.292+01	8.629−09	5.642−03
68	84	1.256+03	6.951−00	3.287−09	7.757−02	5.613−00	2.655−09	1.649−03
68	86	1.183+03	7.633−01	3.205−10	6.327−03	2.238+02	9.397−08	5.500−02
68	88	1.129+03	9.974−01	5.715−10	9.791−03	0.000−00	0.000−00	0.000−00
68	89	1.121+03	2.343−02	1.324−11	2.220−04	0.000−00	0.000−00	0.000−00
68	90	1.049+03	1.176−01	3.879−11	5.332−04	3.523+02	1.162−07	6.027−02
68	92	9.923+02	4.542−03	1.341−12	1.560−05	1.318+02	3.890−08	1.909−02
68	93	9.376+02	1.856−01	7.337−11	7.205−04	0.000−00	0.000−00	0.000−00
68	95	8.955+02	4.358−02	1.572−11	1.345−04	0.000−00	0.000−00	0.000−00
68	97	8.563+02	0.000−00	0.000−00	0.000−00	2.399+01	2.638−09	1.117−03
68	98	8.020+02	1.901−01	3.666−11	2.253−04	5.988+02	1.155−07	4.581−02
68	99	7.883+02	6.118−01	1.710−10	9.981−04	0.000−00	0.000−00	0.000−00
68	100	7.576+02	1.238−01	2.131−11	1.104−04	9.972+01	1.716−08	6.430−03
68	101	7.596+02	1.483−01	3.848−11	2.009−04	0.000−00	0.000−00	0.000−00
68	102	7.019+02	3.567−01	7.904−11	3.256−04	0.000−00	0.000−00	0.000−00
68	103	6.972+02	0.000−00	0.000−00	0.000−00	3.192−00	2.326−10	8.020−05
68	104	6.720+02	5.078−01	6.877−11	2.486−04	1.280+03	1.733−07	5.760−02
68	105	6.611+02	0.000−00	0.000−00	0.000−00	1.123+02	7.356−09	2.405−03
68	107	6.384+02	3.168−01	5.808−11	1.800−04	0.000−00	0.000−00	0.000−00
68	110	5.809+02	6.247−01	6.320−11	1.476−04	7.915+01	8.007−09	2.300−03
68	112	5.440+02	1.213+01	1.077−09	2.066−03	2.051+01	1.820−09	4.897−04
68	113	5.195+02	5.242−00	6.362−10	1.062−03	0.000−00	0.000−00	0.000−00
68	114	5.010+02	2.016−00	2.276−10	3.408−04	0.000−00	0.000−00	0.000−00
68	115	4.943+02	0.000−00	0.000−00	0.000−00	9.293+01	3.403−09	8.319−04
68	117	4.877+02	1.598−00	1.140−10	1.575−04	4.402−00	3.140−10	7.573−05
68	118	4.789+02	6.906−02	7.125−12	9.322−06	0.000−00	0.000−00	0.000−00
68	119	4.717+02	9.502−01	6.339−11	7.925−05	2.891+02	1.929−08	4.498−03
68	120	4.712+02	0.000−00	0.000−00	0.000−00	5.752+01	1.915−09	4.462−04
68	122	4.613+02	4.905−01	4.694−11	5.488−05	0.000−00	0.000−00	0.000−00
68	123	4.547+02	5.531−00	3.429−10	3.840−04	4.794+02	2.972−08	6.683−03
68	124	4.085+02	1.941−00	9.713−11	7.888−05	3.206+03	1.604−07	3.241−02
68	125	4.073+02	9.306−03	6.943−13	5.589−07	0.000−00	0.000−00	0.000−00
68	126	4.010+02	0.000−00	0.000−00	0.000−00	2.492+01	6.006−10	1.191−04
68	127	3.707+02	3.203−02	1.320−12	8.008−07	2.766+02	1.140−08	2.089−03
68	128	3.433+02	0.000−00	0.000−00	0.000−00	3.547+01	6.266−10	1.064−04
68	130	3.269+02	5.673−01	2.726−11	1.134−05	0.000−00	0.000−00	0.000−00
68	131	3.235+02	3.890−00	1.221−10	4.925−05	7.154+01	2.245−09	3.593−04
68	132	3.047+02	0.000−00	0.000−00	0.000−00	1.155+01	1.608−10	2.423−05
68	133	2.880+02	4.207−00	1.046−10	2.976−05	1.812+03	4.507−08	6.419−03
68	134	2.824+02	3.534−00	1.267−10	3.398−05	0.000−00	0.000−00	0.000−00
69	71	7.988+03	9.720−04	1.394−11	1.693−01	6.983+01	1.002−06	7.915−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
69	72	3.894+03	9.649−03	4.386−11	6.169−02	0.000−00	0.000−00	0.000−00
69	74	3.416+03	2.851−03	9.980−12	9.481−03	0.000−00	0.000−00	0.000−00
69	77	2.766+03	8.825−04	1.518−12	7.652−04	4.975−00	8.557−09	2.341−02
69	78	2.473+03	6.415−03	5.882−12	2.120−03	1.231+01	1.128−08	2.760−02
69	79	2.120+03	3.555−03	4.789−12	1.087−03	0.000−00	0.000−00	0.000−00
69	80	2.082+03	6.303−03	6.142−12	1.320−03	1.533−01	1.494−10	3.076−04
69	81	1.885+03	5.450−02	1.451−11	2.314−03	1.024+02	2.727−08	5.083−02
69	82	1.649+03	1.506−01	1.229−10	1.314−02	0.000−00	0.000−00	0.000−00
69	83	1.477+03	9.618−01	1.573−10	1.207−02	2.188−00	3.577−10	5.225−04
69	84	1.395+03	4.952−00	1.444−09	9.331−02	1.376+01	4.012−09	5.534−03
69	86	1.306+03	7.477−01	1.911−10	1.014−02	2.023+02	5.172−08	6.680−02
69	87	1.283+03	4.950−01	2.442−10	1.228−02	0.000−00	0.000−00	0.000−00
69	88	1.240+03	2.334−00	8.064−10	3.659−02	6.070+01	2.097−08	2.572−02
69	89	1.230+03	2.471−01	8.409−11	3.728−03	1.849+01	6.290−09	7.652−03
69	90	1.144+03	2.312−00	4.536−10	1.617−02	9.355+02	1.835−07	2.076−01
69	92	1.077+03	6.181−02	1.075−11	3.198−04	1.192+02	2.073−08	2.208−02
69	93	1.013+03	2.875−01	6.632−11	1.642−03	6.660+01	1.536−08	1.539−02
69	94	9.912+02	5.766−01	1.698−10	3.941−03	0.000−00	0.000−00	0.000−00
69	95	9.639+02	1.016−01	2.123−11	4.529−04	2.849−00	5.953−10	5.676−04
69	96	9.427+02	4.204−02	1.120−11	2.235−04	0.000−00	0.000−00	0.000−00
69	97	9.187+02	4.164−04	2.634−14	4.866−07	4.088+01	2.586−09	2.350−03
69	98	8.564+02	1.855−02	2.040−12	3.053−05	1.410+02	1.550−08	1.313−02
69	99	8.408+02	8.366−01	1.330−10	1.884−03	5.331+02	8.476−08	7.049−02
69	100	8.060+02	1.159−00	1.129−10	1.408−03	4.639+02	4.518−08	3.602−02
69	101	8.082+02	1.632−01	2.397−11	3.014−04	4.633+02	6.805−08	5.440−02
69	102	7.432+02	1.092−05	1.356−15	1.326−08	1.292+03	1.605−07	1.180−01
69	103	7.379+02	9.486−01	3.872−11	3.707−04	1.771−01	7.228−12	5.276−06
69	104	7.098+02	4.248−01	3.209−11	2.734−04	1.020+03	7.704−08	5.409−02
69	105	6.977+02	3.723−00	1.359−10	1.099−03	2.714+01	9.903−10	6.834−04
69	106	6.989+02	9.605−01	1.407−10	1.144−03	0.000−00	0.000−00	0.000−00
69	107	6.724+02	1.128−00	1.147−10	8.308−04	1.261+02	1.282−08	8.527−03
69	108	6.318+02	8.533−01	1.021−10	6.137−04	0.000−00	0.000−00	0.000−00
69	110	6.089+02	6.930−01	3.852−11	2.071−04	1.994+02	1.108−08	6.675−03
69	112	5.685+02	1.086+01	5.264−10	2.305−03	4.350+01	2.108−09	1.185−03
69	113	5.418+02	4.475−00	2.953−10	1.119−03	1.357+01	8.956−10	4.799−04
69	114	5.217+02	4.430−01	2.711−11	9.168−05	2.604+02	1.594−08	8.223−03
69	115	5.144+02	1.878+01	3.725−10	1.208−03	9.921−01	1.968−11	1.001−05
69	116	5.115+02	2.249−01	1.764−11	5.625−05	0.000−00	0.000−00	0.000−00
69	117	5.073+02	2.120−01	8.178−12	2.544−05	9.828+01	3.792−09	1.903−03
69	118	4.978+02	5.573−02	3.106−12	9.128−06	1.698+02	9.463−09	4.659−03
69	119	4.900+02	5.768−00	2.076−10	5.820−04	1.484+02	5.342−09	2.589−03
69	120	4.895+02	4.677−01	8.399−12	2.347−05	8.877+02	1.594−08	7.718−03
69	121	4.851+02	3.316−00	2.340−10	6.363−04	0.000−00	0.000−00	0.000−00
69	122	4.788+02	5.167−01	2.664−11	6.965−05	5.542+01	2.856−09	1.353−03
69	123	4.717+02	2.595−00	8.657−11	2.165−04	4.693+02	1.565−08	7.303−03
69	124	4.222+02	1.188−03	3.176−14	5.693−08	2.941+03	7.859−08	3.282−02
69	125	4.209+02	1.018−01	4.055−12	7.203−06	6.661+02	2.654−08	1.105−02
69	126	4.142+02	5.489−02	7.057−13	1.194−06	1.789−00	2.301−11	9.424−06
69	127	3.819+02	9.166−01	2.004−11	2.660−05	1.461+02	3.194−09	1.206−03
69	128	3.529+02	1.742−00	1.626−11	1.702−05	6.280+01	5.861−10	2.046−04

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
69	129	3.498+02	2.067−02	7.581−13	7.727−07	0.000−00	0.000−00	0.000−00
69	130	3.355+02	5.907−01	1.496−11	1.346−05	8.530+02	2.160−08	7.169−03
69	131	3.320+02	1.028−00	1.700−11	1.483−05	1.585+02	2.620−09	8.603−04
69	132	3.123+02	3.742−00	2.736−11	1.985−05	2.657−01	1.942−12	5.999−07
69	133	2.947+02	1.993+01	2.595−10	1.583−04	1.741+03	2.267−08	6.607−03
69	134	2.888+02	1.099−00	2.062−11	1.183−05	1.832+02	3.436−09	9.816−04
70	76	3.327+03	4.379−02	4.845−11	6.378−02	5.266+01	5.827−08	2.876−01
71	72	7.597+03	5.111−04	5.897−12	9.239−02	2.600+01	2.999−07	3.380−00
71	73	6.479+03	6.581−04	6.904−12	6.711−02	0.000−00	0.000−00	0.000−00
71	74	5.970+03	2.387−03	1.701−11	1.293−01	5.412+01	3.855−07	3.415−00
71	77	4.231+03	5.854−04	1.571−12	4.251−03	7.947−00	2.132−08	1.338−01
71	78	3.582+03	3.223−05	4.134−14	6.792−05	3.302−00	4.235−09	2.251−02
71	79	2.885+03	1.057−03	1.758−12	1.509−03	7.605−00	1.265−08	5.418−02
71	80	2.815+03	1.579−03	1.876−12	1.496−03	3.990−00	4.742−09	1.981−02
71	81	2.466+03	3.457−02	1.051−11	5.637−03	0.000−00	0.000−00	0.000−00
71	82	2.079+03	5.346−02	4.618−11	1.482−02	3.907+01	3.374−08	1.041−01
71	83	1.812+03	4.607−01	7.558−11	1.606−02	0.000−00	0.000−00	0.000−00
71	84	1.690+03	1.110−00	3.166−10	5.458−02	4.859−01	1.386−10	3.475−04
71	85	1.700+03	2.262−01	1.634−10	2.871−02	0.000−00	0.000−00	0.000−00
71	86	1.561+03	1.168−00	2.844−10	3.866−02	1.278+02	3.112−08	7.206−02
71	87	1.528+03	3.766−01	1.758−10	2.241−02	1.748+02	8.156−08	1.849−01
71	88	1.467+03	8.644−01	2.790−10	3.150−02	1.396+01	4.507−09	9.810−03
71	89	1.454+03	1.918−00	6.079−10	6.677−02	5.585+01	1.770−08	3.818−02
71	90	1.335+03	4.243−01	7.559−11	6.428−03	2.254+02	4.016−08	7.954−02
71	91	1.260+03	6.501−01	2.578−10	1.842−02	0.000−00	0.000−00	0.000−00
71	92	1.245+03	8.367−01	1.296−10	8.929−03	3.473+02	5.378−08	9.932−02
71	93	1.160+03	3.148−02	6.348−12	3.541−04	2.734+02	5.515−08	9.491−02
71	94	1.132+03	6.279−01	1.607−10	8.325−03	5.272+01	1.350−08	2.266−02
71	95	1.096+03	8.450−03	1.522−12	7.165−05	2.324+02	4.187−08	6.809−02
71	96	1.069+03	2.228−01	5.087−11	2.220−03	3.569−00	8.149−10	1.292−03
71	97	1.038+03	1.758−02	9.467−13	3.784−05	0.000−00	0.000−00	0.000−00
71	98	9.593+02	6.012−01	5.530−11	1.744−03	2.038+02	1.875−08	2.668−02
71	99	9.398+02	2.295−01	3.039−11	9.013−04	2.507+02	3.319−08	4.628−02
71	100	8.964+02	9.220−01	7.405−11	1.906−03	1.228+02	9.863−09	1.312−02
71	101	8.992+02	9.939−01	1.205−10	3.129−03	2.696+02	3.268−08	4.360−02
71	102	8.194+02	1.703−00	1.714−10	3.371−03	3.024+03	3.044−07	3.701−01
71	103	8.130+02	8.657−01	2.860−11	5.492−04	0.000−00	0.000−00	0.000−00
71	104	7.791+02	1.017−00	6.171−11	1.043−03	4.121+02	2.500−08	2.890−02
71	105	7.645+02	1.695−00	4.949−11	7.901−04	0.000−00	0.000−00	0.000−00
71	106	7.659+02	1.540−00	1.805−10	2.898−03	8.654+02	1.015−07	1.153−01
71	107	7.342+02	7.278−01	5.882−11	8.322−04	3.582+02	2.896−08	3.154−02
71	108	6.861+02	7.197−01	6.772−11	7.817−04	1.577+03	1.484−07	1.511−01
71	109	6.753+02	8.048−01	9.171−11	1.009−03	0.000−00	0.000−00	0.000−00
71	110	6.591+02	1.003−00	4.354−11	4.455−04	4.523−00	1.964−10	1.920−04
71	111	6.237+02	4.061−01	3.948−11	3.424−04	0.000−00	0.000−00	0.000−00
71	112	6.121+02	1.777−00	6.654−11	5.454−04	2.673+02	1.001−08	9.091−03
71	113	5.812+02	1.069−00	5.415−11	3.799−04	8.039+01	4.071−09	3.510−03
71	114	5.581+02	9.030−01	4.217−11	2.620−04	5.125+02	2.393−08	1.982−02
71	115	5.498+02	1.752+01	2.646−10	1.572−03	0.000−00	0.000−00	0.000−00
71	116	5.465+02	1.938−02	1.157−12	6.750−06	2.081+01	1.243−09	1.007−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
71	117	5.417+02	7.615−01	2.233−11	1.269−04	1.118+01	3.278−10	2.634−04
71	118	5.309+02	1.043−01	4.408−12	2.357−05	2.722+02	1.150−08	9.059−03
71	119	5.220+02	2.789−00	7.595−11	3.861−04	9.567+02	2.606−08	2.018−02
71	120	5.214+02	4.441−01	6.035−12	3.058−05	0.000−00	0.000−00	0.000−00
71	121	5.165+02	1.161−00	6.188−11	3.046−04	1.224−00	6.524−11	4.999−05
71	122	5.093+02	7.873−00	3.062−10	1.445−03	1.849+02	7.190−09	5.433−03
71	123	5.013+02	8.318−01	2.089−11	9.405−05	1.501−00	3.769−11	2.803−05
71	124	4.457+02	2.903−00	5.764−11	1.824−04	3.926+02	7.795−09	5.155−03
71	125	4.443+02	2.713−03	8.029−14	2.517−07	7.872+02	2.329−08	1.536−02
71	126	4.368+02	3.806−01	3.629−12	1.081−05	0.000−00	0.000−00	0.000−00
71	127	4.011+02	7.012−01	1.127−11	2.600−05	4.114+02	6.615−09	3.936−03
71	128	3.692+02	1.345−00	9.158−12	1.647−05	0.000−00	0.000−00	0.000−00
71	129	3.658+02	3.846−01	1.029−11	1.799−05	4.312−00	1.153−10	6.257−05
71	130	3.503+02	4.109−00	7.559−11	1.161−04	1.340+03	2.465−08	1.281−02
71	131	3.465+02	1.562−00	1.874−11	2.785−05	1.457+02	1.748−09	8.982−04
71	132	3.250+02	8.308−01	4.385−12	5.379−06	0.000−00	0.000−00	0.000−00
71	133	3.060+02	7.634−04	7.144−15	7.314−09	6.434+02	6.021−09	2.733−03
71	134	2.996+02	1.013+01	1.364−10	1.311−04	3.945+02	5.310−09	2.360−03
72	73	4.405+04	8.281−08	3.011−14	1.226−01	2.477−01	9.007−08	7.848−00
72	74	2.788+04	4.429−09	5.160−16	5.326−04	7.358−01	8.573−08	4.728−00
72	75	1.577+04	9.335−06	5.222−13	9.761−02	0.000−00	0.000−00	0.000−00
72	77	9.548+03	6.496−05	6.659−13	2.762−02	6.707−00	6.875−08	1.299−00
72	78	6.779+03	5.263−05	1.813−13	2.692−03	0.000−00	0.000−00	0.000−00
72	79	4.652+03	7.271−04	2.359−12	1.132−02	8.091−00	2.625−08	2.416−01
72	80	4.473+03	7.997−03	1.799−11	7.672−02	9.052+01	2.037−07	1.802−00
72	82	2.862+03	6.179−02	7.586−11	8.471−02	3.284+01	4.031−08	2.282−01
72	84	2.173+03	1.512−02	5.350−12	2.615−03	0.000−00	0.000−00	0.000−00
72	85	2.191+03	6.640−02	5.972−11	2.992−02	1.046+02	9.409−08	4.078−01
72	86	1.965+03	3.204−01	9.270−11	3.350−02	0.000−00	0.000−00	0.000−00
72	87	1.913+03	2.071−03	1.136−12	3.789−04	3.221+01	1.767−08	6.684−02
72	88	1.818+03	9.431−02	3.507−11	1.005−02	9.449−01	3.514−10	1.264−03
72	89	1.798+03	6.528−01	2.373−10	6.573−02	2.084−00	7.575−10	2.694−03
72	90	1.620+03	2.591−01	5.095−11	1.032−02	0.000−00	0.000−00	0.000−00
72	91	1.510+03	7.452−01	3.185−10	5.228−02	3.520−03	1.504−12	4.494−06
72	92	1.489+03	7.954−02	1.321−11	2.077−03	0.000−00	0.000−00	0.000−00
72	93	1.369+03	1.421−01	2.993−11	3.659−03	5.297+01	1.116−08	3.022−02
72	94	1.330+03	7.956−01	2.109−10	2.363−02	1.975−00	5.235−10	1.377−03
72	95	1.281+03	2.561−00	4.726−10	4.734−02	1.394+02	2.572−08	6.519−02
72	96	1.244+03	3.361−01	7.795−11	7.147−03	1.493+01	3.462−09	8.518−03
72	98	1.098+03	9.883−00	8.930−10	5.631−02	0.000−00	0.000−00	0.000−00
72	99	1.072+03	3.784−00	4.893−10	2.876−02	1.915+01	2.476−09	5.253−03
72	100	1.016+03	3.564−00	2.760−10	1.381−02	0.000−00	0.000−00	0.000−00
72	101	1.020+03	1.012−00	1.183−10	5.980−03	5.384+03	6.297−07	1.270−00
72	102	9.185+02	3.803−01	3.608−11	1.332−03	2.585+03	2.452−07	4.456−01
72	104	8.681+02	1.012+01	5.717−10	1.782−02	0.000−00	0.000−00	0.000−00
72	106	8.517+02	1.370−00	1.490−10	4.386−03	3.215+02	3.497−08	5.892−02
72	107	8.128+02	9.058−01	6.728−11	1.722−03	2.004+02	1.488−08	2.393−02
72	108	7.542+02	1.239−01	1.057−11	2.160−04	1.626+03	1.386−07	2.069−01
72	109	7.412+02	5.414−01	5.574−11	1.082−03	2.908+02	2.994−08	4.390−02
72	110	7.217+02	1.159−00	4.527−11	8.110−04	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
72	111	6.795+02	1.433−00	1.240−10	1.854−03	1.829+02	1.583−08	2.128−02
72	112	6.658+02	1.054+01	3.502−10	4.924−03	0.000−00	0.000−00	0.000−00
72	113	6.293+02	3.371−00	1.501−10	1.783−03	3.236+02	1.441−08	1.794−02
72	114	6.024+02	5.085−00	2.075−10	2.161−03	8.912−00	3.636−10	4.333−04
72	116	5.889+02	3.398−00	1.766−10	1.719−03	3.351+01	1.742−09	2.029−03
72	117	5.833+02	1.098−00	2.799−11	2.647−04	0.000−00	0.000−00	0.000−00
72	118	5.708+02	2.207−00	8.085−11	7.163−04	3.438−00	1.260−10	1.422−04
72	119	5.605+02	1.060−00	2.498−11	2.096−04	0.000−00	0.000−00	0.000−00
72	121	5.541+02	1.126−00	5.181−11	4.200−04	4.223+01	1.944−09	2.131−03
72	122	5.459+02	4.674−01	1.566−11	1.214−04	7.069+02	2.369−08	2.558−02
72	123	5.367+02	3.719+01	8.031−10	5.916−03	0.000−00	0.000−00	0.000−00
72	124	4.735+02	1.034−00	1.738−11	8.790−05	0.000−00	0.000−00	0.000−00
72	125	4.719+02	3.424−01	8.573−12	4.293−05	4.010+01	1.004−09	9.373−04
72	127	4.235+02	1.774−01	2.384−12	8.626−06	0.000−00	0.000−00	0.000−00
72	129	3.843+02	1.600−00	3.542−11	9.575−05	4.749−00	1.051−10	7.991−05
72	130	3.672+02	9.632−01	1.460−11	3.445−05	3.037+02	4.604−09	3.345−03
72	131	3.630+02	1.149+02	1.135−09	2.586−03	0.000−00	0.000−00	0.000−00
72	133	3.188+02	4.832+02	3.682−09	5.686−03	0.000−00	0.000−00	0.000−00
72	134	3.119+02	1.071+01	1.172−10	1.696−04	5.141+02	5.625−09	3.471−03
73	74	7.593+04	3.298−09	2.281−15	5.948−02	1.944−02	1.344−08	2.524−00
73	75	2.457+04	2.221−06	2.412−13	2.131−01	1.554−00	1.687−07	1.025+01
73	77	1.219+04	7.170−06	9.585−14	1.034−02	0.000−00	0.000−00	0.000−00
73	79	5.202+03	9.561−04	3.103−12	2.601−02	3.300+01	1.071−07	1.378−00
73	80	4.979+03	6.232−04	1.389−12	1.021−02	0.000−00	0.000−00	0.000−00
73	82	3.060+03	7.555−02	8.487−11	1.449−01	4.472+01	5.024−08	3.802−01
73	85	2.305+03	7.396−02	5.893−11	4.301−02	8.220+01	6.549−08	3.733−01
73	87	2.000+03	1.896−01	9.093−11	4.330−02	9.800−00	4.700−09	2.324−02
73	88	1.897+03	9.674−02	3.131−11	1.273−02	0.000−00	0.000−00	0.000−00
73	89	1.875+03	6.656−01	2.104−10	8.254−02	0.000−00	0.000−00	0.000−00
73	91	1.564+03	5.516−01	2.022−10	4.607−02	5.851+01	2.145−08	8.295−02
73	93	1.413+03	5.365−01	9.632−11	1.618−02	0.000−00	0.000−00	0.000−00
73	94	1.371+03	2.937−00	6.622−10	1.017−01	1.974+01	4.452−09	1.509−02
73	95	1.319+03	1.848−01	2.894−11	3.959−03	0.000−00	0.000−00	0.000−00
73	96	1.280+03	9.291−01	1.826−10	2.280−02	1.164+01	2.287−09	7.237−03
73	99	1.099+03	1.084+01	1.178−09	9.317−02	0.000−00	0.000−00	0.000−00
73	101	1.044+03	1.565−01	1.534−11	1.040−03	0.000−00	0.000−00	0.000−00
73	102	9.381+02	1.125+01	8.908−10	4.380−02	0.000−00	0.000−00	0.000−00
73	106	8.685+02	3.756−00	3.398−10	1.326−02	1.222+04	1.105−06	2.374−00
73	107	8.281+02	2.345−00	1.447−10	4.893−03	0.000−00	0.000−00	0.000−00
73	108	7.673+02	5.702−01	4.027−11	1.084−03	4.280+02	3.023−08	5.735−02
73	109	7.539+02	9.651−01	8.223−11	2.099−03	1.079−00	9.196−11	1.714−04
73	111	6.902+02	7.484−01	5.345−11	1.047−03	3.456+01	2.468−09	4.212−03
73	113	6.384+02	1.302+01	4.775−10	7.400−03	0.000−00	0.000−00	0.000−00
73	114	6.107+02	9.737−02	3.267−12	4.432−05	0.000−00	0.000−00	0.000−00
73	116	5.968+02	1.487−01	6.353−12	8.046−05	1.855−00	7.928−11	1.170−04
73	118	5.783+02	1.086+01	3.266−10	3.762−03	0.000−00	0.000−00	0.000−00
73	121	5.612+02	1.865−02	7.044−13	7.415−06	9.311−00	3.517−10	4.880−04
73	122	5.528+02	2.446−00	6.721−11	6.761−04	0.000−00	0.000−00	0.000−00
73	125	4.770+02	4.788−00	9.799−11	6.334−04	0.000−00	0.000−00	0.000−00
73	129	3.876+02	1.331−01	2.400−12	8.326−06	5.992−01	1.080−11	1.035−05

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
73	130	3.703+02	5.020+01	6.192−10	1.872−03	0.000−00	0.000−00	0.000−00
73	134	3.142+02	4.358+02	3.869−09	7.146−03	0.000−00	0.000−00	0.000−00
74	75	3.632+04	1.376−07	4.083−14	9.320−02	0.000−00	0.000−00	0.000−00
74	77	1.452+04	1.013−05	2.402−13	3.506−02	1.075−00	2.548−08	7.321−01
74	78	8.958+03	3.680−05	2.213−13	7.581−03	0.000−00	0.000−00	0.000−00
74	79	5.584+03	7.820−04	3.656−12	3.034−02	3.963−01	1.853−09	2.047−02
74	80	5.328+03	2.808−03	8.961−12	6.458−02	1.872+01	5.976−08	6.298−01
74	82	3.189+03	1.428−03	2.177−12	3.365−03	7.922+01	1.208−07	7.620−01
74	84	2.357+03	4.644−03	1.933−12	1.206−03	0.000−00	0.000−00	0.000−00
74	85	2.378+03	1.363−01	1.444−10	9.245−02	1.309+02	1.387−07	6.523−01
74	86	2.114+03	3.410−01	1.142−10	5.137−02	0.000−00	0.000−00	0.000−00
74	87	2.054+03	3.903−02	2.467−11	1.018−02	5.905−00	3.733−09	1.517−02
74	88	1.945+03	3.210−01	1.366−10	4.792−02	9.839−00	4.187−09	1.611−02
74	89	1.922+03	1.094−03	4.545−13	1.538−04	7.113+01	2.954−08	1.123−01
74	90	1.720+03	6.406−02	1.420−11	3.441−03	0.000−00	0.000−00	0.000−00
74	91	1.597+03	4.050−01	1.935−10	3.754−02	6.276+01	2.999−08	9.471−02
74	92	1.573+03	9.192−01	1.704−10	3.158−02	0.000−00	0.000−00	0.000−00
74	93	1.440+03	5.677−01	1.323−10	1.881−02	1.051+02	2.450−08	6.977−02
74	94	1.396+03	6.662−01	1.947−10	2.526−02	1.983+02	5.795−08	1.601−01
74	95	1.343+03	8.676−01	1.759−10	2.029−02	4.399−00	8.918−10	2.369−03
74	96	1.302+03	8.166−02	2.075−11	2.182−03	4.196+01	1.066−08	2.746−02
74	98	1.143+03	7.591−00	7.433−10	5.288−02	0.000−00	0.000−00	0.000−00
74	99	1.115+03	8.210−04	1.148−13	7.592−06	4.965+02	6.945−08	1.532−01
74	100	1.055+03	2.248−00	1.875−10	1.048−02	0.000−00	0.000−00	0.000−00
74	101	1.059+03	1.234−01	1.555−11	8.788−04	3.742+03	4.716−07	9.875−01
74	102	9.498+02	2.539−00	2.575−10	1.051−02	8.902+01	9.029−09	1.696−02
74	104	8.960+02	3.811−00	2.293−10	7.860−03	0.000−00	0.000−00	0.000−00
74	106	8.786+02	4.169−03	4.824−13	1.559−05	2.446+02	2.831−08	4.920−02
74	107	8.372+02	7.096−01	5.593−11	1.564−03	7.883−01	6.213−11	1.029−04
74	108	7.752+02	4.761−01	4.289−11	9.519−04	3.665+03	3.302−07	5.063−01
74	109	7.615+02	2.952−00	3.207−10	6.748−03	1.148+03	1.247−07	1.878−01
74	110	7.409+02	1.135−00	4.672−11	9.055−04	0.000−00	0.000−00	0.000−00
74	111	6.965+02	5.482−00	4.984−10	8.025−03	5.948−00	5.407−10	7.451−04
74	112	6.820+02	7.863−00	2.742−10	4.145−03	0.000−00	0.000−00	0.000−00
74	113	6.438+02	3.561−00	1.660−10	2.111−03	1.056+03	4.921−08	6.268−02
74	114	6.157+02	5.231−00	2.229−10	2.479−03	2.027+02	8.640−09	1.052−02
74	116	6.016+02	3.191−00	1.731−10	1.796−03	4.722−00	2.562−10	3.049−04
74	117	5.958+02	2.216−00	5.896−11	5.941−04	0.000−00	0.000−00	0.000−00
74	118	5.827+02	6.254−00	2.388−10	2.251−03	3.880+01	1.481−09	1.708−03
74	119	5.720+02	5.135−01	1.260−11	1.123−04	0.000−00	0.000−00	0.000−00
74	121	5.654+02	5.205−01	2.494−11	2.148−04	5.304+01	2.542−09	2.843−03
74	122	5.568+02	5.688−00	1.983−10	1.631−03	1.331+03	4.640−08	5.111−02
74	123	5.472+02	2.161+01	4.850−10	3.788−03	0.000−00	0.000−00	0.000−00
74	124	4.817+02	1.985−01	3.452−12	1.839−05	0.000−00	0.000−00	0.000−00
74	125	4.800+02	3.815−00	9.884−11	5.209−04	6.748−01	1.748−11	1.660−05
74	127	4.300+02	4.803−00	6.656−11	2.521−04	0.000−00	0.000−00	0.000−00
74	129	3.896+02	9.744−02	2.218−12	6.251−06	8.854−00	2.015−10	1.553−04
74	130	3.721+02	4.465+01	6.951−10	1.706−03	2.306+02	3.590−09	2.643−03
74	131	3.678+02	7.890+01	8.000−10	1.897−03	0.000−00	0.000−00	0.000−00
74	133	3.225+02	5.505+02	4.293−09	6.862−03	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
74	134	3.155+02	8.775−00	9.819−11	1.469−04	7.866+02	8.803−09	5.493−03
75	79	6.599+03	2.020−04	8.793−13	1.806−02	0.000−00	0.000−00	0.000−00
75	82	3.496+03	7.200−05	8.795−14	2.686−04	0.000−00	0.000−00	0.000−00
75	85	2.544+03	2.078−01	1.680−10	1.978−01	2.403+01	1.943−08	1.467−01
75	87	2.177+03	5.333−01	2.525−10	1.862−01	0.000−00	0.000−00	0.000−00
75	91	1.670+03	4.006−01	1.396−10	4.649−02	5.758+01	2.007−08	9.945−02
75	94	1.452+03	1.071−00	2.257−10	4.940−02	0.000−00	0.000−00	0.000−00
75	96	1.350+03	2.884−00	5.256−10	9.249−02	0.000−00	0.000−00	0.000−00
75	106	9.004+02	4.757−01	3.854−11	2.011−03	0.000−00	0.000−00	0.000−00
75	108	7.921+02	2.639+01	1.655−09	5.878−02	0.000−00	0.000−00	0.000−00
75	109	7.778+02	6.702−00	5.065−10	1.703−02	1.468+04	1.109−06	2.560−00
75	111	7.101+02	1.767−00	1.113−10	2.850−03	2.379+01	1.499−09	3.159−03
75	116	6.117+02	8.800−01	3.291−11	5.385−04	0.000−00	0.000−00	0.000−00
75	121	5.743+02	2.515−00	8.291−11	1.123−03	0.000−00	0.000−00	0.000−00
75	129	3.939+02	2.793−02	4.330−13	1.891−06	0.000−00	0.000−00	0.000−00
77	78	2.338+04	3.606−08	1.970−15	8.993−04	5.876−01	3.209−08	1.113−00
77	79	9.073+03	9.128−05	1.502−12	4.010−02	9.745−02	1.604−09	2.159−02
77	80	8.415+03	9.853−05	1.046−12	2.228−02	1.258+01	1.335−07	1.667−00
77	81	5.915+03	9.560−05	1.671−13	1.236−03	0.000−00	0.000−00	0.000−00
77	82	4.086+03	1.233−03	4.114−12	1.003−02	7.724+01	2.578−07	1.563−00
77	83	3.169+03	2.263−02	1.136−11	1.292−02	0.000−00	0.000−00	0.000−00
77	84	2.813+03	5.287−04	4.181−13	3.326−04	3.917−02	3.098−11	1.293−04
77	85	2.843+03	2.275−03	4.594−12	3.773−03	0.000−00	0.000−00	0.000−00
77	86	2.474+03	1.239−01	7.575−11	4.098−02	1.776+02	1.086−07	3.985−01
77	87	2.392+03	1.802−05	2.060−14	1.008−05	1.079+01	1.234−08	4.381−02
77	88	2.246+03	1.094−03	8.279−13	3.354−04	9.147−00	6.919−09	2.306−02
77	89	2.215+03	9.516−03	7.000−12	2.719−03	6.246−01	4.595−10	1.510−03
77	90	1.951+03	6.272−01	2.385−10	6.326−02	2.388+02	9.082−08	2.628−01
77	91	1.794+03	3.093−04	2.487−13	5.132−05	0.000−00	0.000−00	0.000−00
77	92	1.764+03	1.060−03	3.294−13	6.456−05	1.308+02	4.065−08	1.063−01
77	93	1.598+03	1.302−01	4.983−11	7.267−03	5.216+01	1.997−08	4.734−02
77	94	1.545+03	1.431−01	6.827−11	8.996−03	1.232−01	5.876−11	1.347−04
77	95	1.480+03	3.785−02	1.242−11	1.438−03	1.576+01	5.170−09	1.135−02
77	96	1.430+03	3.034−03	1.240−12	1.296−04	1.840+01	7.520−09	1.596−02
77	97	1.376+03	1.635−00	1.546−10	1.438−02	0.000−00	0.000−00	0.000−00
77	98	1.240+03	1.513−00	2.328−10	1.588−02	6.416+01	9.869−09	1.816−02
77	99	1.208+03	2.705−00	5.918−10	3.729−02	7.657+01	1.675−08	3.003−02
77	100	1.137+03	1.455−00	1.881−10	9.895−03	1.123+03	1.452−07	2.451−01
77	101	1.142+03	2.572−02	5.027−12	2.675−04	2.911+03	5.690−07	9.639−01
77	102	1.016+03	4.005−01	6.201−11	2.326−03	5.336+01	8.263−09	1.246−02
77	103	1.006+03	1.104−00	5.590−11	2.036−03	0.000−00	0.000−00	0.000−00
77	104	9.549+02	6.938−02	6.323−12	1.967−04	1.053+02	9.600−09	1.360−02
77	105	9.330+02	1.976+01	8.596−10	2.495−02	0.000−00	0.000−00	0.000−00
77	106	9.352+02	6.907−02	1.207−11	3.529−04	3.687+01	6.445−09	8.942−03
77	107	8.884+02	1.908−00	2.258−10	5.658−03	4.102+02	4.854−08	6.398−02
77	108	8.189+02	2.666−01	3.574−11	7.014−04	6.886+02	9.230−08	1.121−01
77	109	8.036+02	2.506−01	4.044−11	7.499−04	0.000−00	0.000−00	0.000−00
77	110	7.808+02	4.546−00	2.769−10	4.710−03	2.791+02	1.700−08	1.970−02
77	111	7.316+02	1.079+01	1.443−09	2.019−02	0.000−00	0.000−00	0.000−00
77	112	7.157+02	4.857−00	2.486−10	3.256−03	1.875+01	9.600−10	1.019−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
77	113	6.737+02	1.779+01	1.211−09	1.323−02	4.237+01	2.883−09	2.882−03
77	114	6.429+02	2.846+01	1.764−09	1.675−02	3.798+02	2.354−08	2.245−02
77	115	6.319+02	7.309+01	1.459−09	1.316−02	0.000−00	0.000−00	0.000−00
77	116	6.276+02	1.009+01	7.940−10	7.014−03	9.965+01	7.846−09	7.305−03
77	117	6.213+02	2.587−01	9.977−12	8.550−05	1.228+02	4.739−09	4.368−03
77	118	6.071+02	8.692+01	4.802−09	3.839−02	5.562+01	3.073−09	2.768−03
77	119	5.955+02	5.860−01	2.077−11	1.567−04	8.717+01	3.089−09	2.729−03
77	120	5.947+02	3.565−02	6.302−13	4.738−06	0.000−00	0.000−00	0.000−00
77	121	5.883+02	3.683−02	2.547−12	1.853−05	1.329−01	9.195−12	8.025−06
77	122	5.790+02	4.096+01	2.059−09	1.428−02	5.968−00	2.999−10	2.576−04
77	123	5.687+02	6.038−01	1.952−11	1.283−04	1.551+03	5.012−08	4.229−02
77	124	4.982+02	1.277+01	3.168−10	1.400−03	1.799+03	4.464−08	3.299−02
77	125	4.964+02	1.455+01	5.375−10	2.350−03	6.171+01	2.280−09	1.679−03
77	126	4.871+02	2.241+01	2.657−10	1.097−03	0.000−00	0.000−00	0.000−00
77	127	4.431+02	7.743−01	1.519−11	4.724−05	1.021+02	2.002−09	1.316−03
77	128	4.045+02	2.189+02	1.790−09	4.231−03	0.000−00	0.000−00	0.000−00
77	129	4.004+02	3.672−00	1.177−10	2.699−04	2.872−02	9.202−13	5.466−07
77	130	3.819+02	7.060−03	1.544−13	3.072−07	2.827+02	6.180−09	3.502−03
77	131	3.774+02	1.227+02	1.746−09	3.354−03	2.646+02	3.766−09	2.109−03
77	132	3.520+02	5.452−01	3.377−12	5.264−06	0.000−00	0.000−00	0.000−00
77	133	3.298+02	3.411+02	3.709−09	4.757−03	2.611+03	2.840−08	1.390−02
77	134	3.225+02	2.117+01	3.300−10	3.955−04	2.040+02	3.180−09	1.521−03
78	79	1.483+04	2.158−06	1.423−13	1.105−02	0.000−00	0.000−00	0.000−00
78	80	1.315+04	7.321−06	2.846−13	1.541−02	2.993−01	1.164−08	1.513−01
78	81	7.918+03	4.332−04	2.036−12	2.408−02	1.573+01	7.395−08	5.791−01
78	82	4.952+03	2.009−04	1.477−12	4.273−03	0.000−00	0.000−00	0.000−00
78	83	3.666+03	1.378−03	1.388−12	1.629−03	1.315−00	1.325−09	4.804−03
78	84	3.198+03	1.140−04	1.748−13	1.362−04	2.127+01	3.262−08	1.032−01
78	86	2.766+03	1.613−02	1.851−11	9.337−03	2.563+02	2.940−07	8.045−01
78	87	2.664+03	4.173−03	8.885−12	4.004−03	0.000−00	0.000−00	0.000−00
78	88	2.485+03	1.357−04	1.885−13	6.893−05	1.464+01	2.033−08	4.998−02
78	89	2.447+03	7.337−04	9.879−13	3.449−04	6.757−02	9.099−11	2.202−04
78	90	2.128+03	1.022−01	6.936−11	1.593−02	6.634+01	4.504−08	9.481−02
78	92	1.908+03	7.427−02	4.051−11	6.699−03	3.017+01	1.646−08	3.105−02
78	93	1.715+03	6.200−02	4.102−11	4.932−03	9.640+01	6.378−08	1.082−01
78	94	1.654+03	2.002−02	1.643−11	1.771−03	0.000−00	0.000−00	0.000−00
78	95	1.580+03	1.427−02	8.004−12	7.514−04	6.422+01	3.603−08	5.629−02
78	96	1.523+03	5.378−02	3.741−11	3.151−03	0.000−00	0.000−00	0.000−00
78	97	1.462+03	1.390−01	2.225−11	1.655−03	8.687−00	1.391−09	2.011−03
78	98	1.310+03	8.556−01	2.201−10	1.179−02	2.589−02	6.661−12	8.631−06
78	99	1.274+03	5.341−02	1.949−11	9.602−04	1.810+02	6.606−08	8.324−02
78	100	1.196+03	4.683−02	1.003−11	4.086−04	7.281+02	1.560−07	1.845−01
78	101	1.200+03	6.185−02	2.004−11	8.261−04	3.631+02	1.177−07	1.397−01
78	102	1.062+03	6.759−01	1.716−10	4.903−03	2.230+02	5.662−08	5.949−02
78	103	1.052+03	3.429−00	2.843−10	7.879−03	1.361+02	1.129−08	1.174−02
78	104	9.956+02	1.139−00	1.692−10	3.978−03	9.696+02	1.441−07	1.419−01
78	105	9.718+02	1.410+01	9.979−10	2.182−02	5.175+01	3.664−09	3.522−03
78	106	9.741+02	2.336−02	6.646−12	1.464−04	0.000−00	0.000−00	0.000−00
78	107	9.235+02	9.655−02	1.852−11	3.475−04	1.926+02	3.695−08	3.375−02
78	108	8.486+02	2.309−01	4.986−11	7.260−04	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
78	110	8.077+02	1.276−01	1.248−11	1.567−04	1.888+03	1.846−07	1.475−01
78	112	7.382+02	1.966−00	1.607−10	1.540−03	4.600−02	3.759−12	2.745−06
78	113	6.937+02	1.928+01	2.087−09	1.660−02	3.805+01	4.118−09	2.826−03
78	114	6.611+02	1.696+01	1.667−09	1.147−02	7.049−00	6.928−10	4.530−04
78	115	6.495+02	3.246+01	1.026−09	6.700−03	2.123−00	6.713−11	4.313−05
78	116	6.449+02	9.513−00	1.186−09	7.580−03	0.000−00	0.000−00	0.000−00
78	117	6.382+02	1.738−01	1.062−11	6.575−05	1.530+01	9.341−10	5.897−04
78	118	6.232+02	6.319−00	5.519−10	3.183−03	7.550+02	6.595−08	4.065−02
78	119	6.111+02	3.313−00	1.855−10	1.008−03	4.428−01	2.479−11	1.498−05
78	120	6.103+02	8.291−00	2.314−10	1.253−03	2.648+01	7.392−10	4.462−04
78	121	6.034+02	7.384−01	8.062−11	4.220−04	0.000−00	0.000−00	0.000−00
78	122	5.937+02	4.568−00	3.621−10	1.805−03	1.027+01	8.142−10	4.781−04
78	123	5.829+02	1.649+02	8.401−09	3.963−02	2.057+03	1.048−07	6.039−02
78	124	5.091+02	3.168+01	1.231−09	3.869−03	6.058+02	2.354−08	1.185−02
78	125	5.072+02	1.352+01	7.820−10	2.431−03	3.740+02	2.164−08	1.085−02
78	126	4.975+02	5.680+01	1.054−09	3.090−03	3.129+01	5.805−10	2.856−04
78	127	4.517+02	8.857+01	2.709−09	5.946−03	9.621+01	2.942−09	1.314−03
78	128	4.116+02	3.522+01	4.473−10	7.429−04	2.342+01	2.974−10	1.211−04
78	129	4.074+02	1.014+01	5.043−10	8.122−04	0.000−00	0.000−00	0.000−00
78	130	3.882+02	1.289+01	4.369−10	6.091−04	3.551+02	1.203−08	4.621−03
78	131	3.835+02	7.289+01	1.608−09	2.161−03	4.601+02	1.015−08	3.849−03
78	132	3.574+02	2.148−00	2.057−11	2.238−05	6.115+01	5.855−10	2.070−04
78	133	3.346+02	1.898+02	3.185−09	2.842−03	6.738+02	1.131−08	3.742−03
78	134	3.270+02	5.118+01	1.231−09	1.025−03	1.169+02	2.810−09	9.088−04
79	80	1.160+05	8.719−11	1.320−16	9.835−03	5.042−03	7.636−09	1.753−00
79	82	7.435+03	1.032−04	8.550−13	1.674−02	1.081−02	8.959−11	1.318−03
79	84	4.077+03	8.862−08	1.104−16	3.566−07	0.000−00	0.000−00	0.000−00
79	85	4.140+03	2.167−03	6.961−12	2.354−02	1.446−00	4.646−09	3.805−02
79	86	3.401+03	3.345−04	2.900−13	5.435−04	0.000−00	0.000−00	0.000−00
79	87	3.248+03	1.264−02	2.000−11	3.266−02	2.633+01	4.165−08	2.676−01
79	88	2.986+03	1.426−03	1.429−12	1.812−03	1.307+01	1.310−08	7.737−02
79	89	2.931+03	9.694−04	9.362−13	1.123−03	2.322+01	2.243−08	1.300−01
79	90	2.485+03	1.803−04	8.345−14	6.100−05	0.000−00	0.000−00	0.000−00
79	91	2.236+03	1.700−02	1.593−11	8.489−03	8.420−00	7.889−09	3.490−02
79	92	2.189+03	1.415−01	5.083−11	2.541−02	0.000−00	0.000−00	0.000−00
79	93	1.940+03	2.198−01	9.299−11	3.233−02	8.730−01	3.693−10	1.417−03
79	94	1.862+03	9.938−02	5.165−11	1.588−02	6.225−00	3.235−09	1.192−02
79	95	1.768+03	8.664−02	3.044−11	8.014−03	8.278+01	2.909−08	1.017−01
79	96	1.698+03	4.348−02	1.879−11	4.380−03	4.640−00	2.005−09	6.733−03
79	98	1.437+03	2.445−01	3.784−11	5.351−03	0.000−00	0.000−00	0.000−00
79	99	1.394+03	1.261−01	2.755−11	3.553−03	3.073+02	6.711−08	1.850−01
79	100	1.300+03	1.271−01	1.611−11	1.688−03	0.000−00	0.000−00	0.000−00
79	101	1.306+03	3.169−02	6.080−12	6.457−04	3.109+02	5.964−08	1.541−01
79	102	1.144+03	3.091−02	4.552−12	3.252−04	2.984+02	4.394−08	9.947−02
79	104	1.067+03	2.054−01	1.754−11	1.016−03	0.000−00	0.000−00	0.000−00
79	106	1.043+03	8.048−03	1.312−12	7.083−05	1.729+02	2.818−08	5.812−02
79	107	9.849+02	8.667−02	9.452−12	4.302−04	7.831+03	8.540−07	1.664−00
79	108	9.001+02	4.564−01	5.544−11	1.927−03	7.364+02	8.946−08	1.593−01
79	109	8.817+02	1.791−01	2.609−11	8.520−04	2.940+02	4.283−08	7.470−02
79	110	8.543+02	4.284−01	2.343−11	6.961−04	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
79	111	7.958+02	1.339+01	1.589−09	3.815−02	5.028−00	5.967−10	9.393−04
79	112	7.769+02	9.380−01	4.244−11	9.484−04	0.000−00	0.000−00	0.000−00
79	113	7.278+02	4.024+01	2.396−09	4.401−02	1.724+02	1.027−08	1.478−02
79	114	6.920+02	4.054+01	2.182−09	3.445−02	1.021+03	5.498−08	7.526−02
79	116	6.742+02	1.358+01	9.254−10	1.351−02	4.860−00	3.312−10	4.417−04
79	117	6.669+02	1.182−00	3.941−11	5.570−04	0.000−00	0.000−00	0.000−00
79	118	6.506+02	4.980+01	2.370−09	3.110−02	7.950+02	3.784−08	4.870−02
79	119	6.373+02	5.857−00	1.783−10	2.200−03	0.000−00	0.000−00	0.000−00
79	121	6.290+02	8.197−01	4.863−11	5.767−04	4.418−01	2.621−11	3.261−05
79	122	6.185+02	2.363+01	1.016−09	1.146−02	1.171+02	5.034−09	6.159−03
79	123	6.067+02	2.389+02	6.592−09	7.015−02	0.000−00	0.000−00	0.000−00
79	124	5.272+02	5.684+01	1.184−09	8.266−03	0.000−00	0.000−00	0.000−00
79	125	5.252+02	1.275−02	3.952−13	2.728−06	2.233+02	6.925−09	7.194−03
79	127	4.659+02	3.174+01	5.162−10	2.487−03	0.000−00	0.000−00	0.000−00
79	129	4.189+02	4.956−00	1.303−10	4.564−04	1.568−01	4.124−12	3.417−06
79	130	3.987+02	1.046+02	1.869−09	5.642−03	9.852+02	1.761−08	1.388−02
79	131	3.937+02	6.888+01	8.003−10	2.328−03	0.000−00	0.000−00	0.000−00
79	133	3.423+02	1.304−01	1.145−12	2.188−06	0.000−00	0.000−00	0.000−00
79	134	3.344+02	1.641+02	2.062−09	3.673−03	1.044+03	1.312−08	8.678−03
80	81	1.991+04	2.677−07	5.301−15	1.494−03	0.000−00	0.000−00	0.000−00
80	82	7.944+03	2.897−06	3.654−14	6.546−04	1.109+01	1.399−07	1.649−00
80	83	5.083+03	1.498−05	1.934−14	9.077−05	0.000−00	0.000−00	0.000−00
80	84	4.226+03	8.606−05	1.536−13	4.141−04	5.488−03	9.793−12	6.139−05
80	85	4.294+03	1.340−04	6.172−13	1.746−03	0.000−00	0.000−00	0.000−00
80	86	3.504+03	1.689−02	2.072−11	3.184−02	3.670−00	4.502−09	2.340−02
80	87	3.342+03	1.928−04	4.304−13	5.741−04	7.532−02	1.681−10	8.336−04
80	88	3.064+03	4.673−05	6.578−14	6.764−05	3.582−01	5.042−10	2.292−03
80	89	3.007+03	1.556−03	2.109−12	2.049−03	1.293−00	1.752−09	7.814−03
80	90	2.539+03	1.268−01	8.173−11	4.782−02	8.809+01	5.676−08	2.138−01
80	91	2.280+03	1.357−03	1.763−12	7.467−04	0.000−00	0.000−00	0.000−00
80	92	2.231+03	2.108−05	1.049−14	4.164−06	2.757+01	1.372−08	4.540−02
80	93	1.973+03	2.735−01	1.595−10	4.377−02	1.346+02	7.850−08	2.297−01
80	94	1.892+03	1.922−02	1.376−11	3.331−03	5.477−00	3.920−09	1.100−02
80	95	1.795+03	4.278−01	2.067−10	4.272−02	1.008−00	4.871−10	1.297−03
80	96	1.723+03	4.895−02	2.904−11	5.308−03	3.497−00	2.075−09	5.304−03
80	97	1.644+03	1.976−00	2.670−10	4.242−02	0.000−00	0.000−00	0.000−00
80	98	1.455+03	2.619−00	5.543−10	6.102−02	9.176−01	1.942−10	4.191−04
80	99	1.411+03	3.807−03	1.136−12	1.139−04	1.557+01	4.644−09	9.719−03
80	100	1.315+03	8.868−02	1.533−11	1.246−03	1.337+02	2.311−08	4.510−02
80	101	1.321+03	8.081−02	2.114−11	1.742−03	5.233+02	1.369−07	2.683−01
80	102	1.156+03	1.673−00	3.352−10	1.850−02	2.434−01	4.876−11	8.361−05
80	103	1.143+03	1.653+01	1.080−09	5.765−02	0.000−00	0.000−00	0.000−00
80	104	1.077+03	2.005−00	2.325−10	1.038−02	2.857+03	3.313−07	5.294−01
80	105	1.049+03	1.426−00	7.850−11	3.242−03	0.000−00	0.000−00	0.000−00
80	106	1.052+03	7.269−05	1.608−14	6.693−07	5.434+02	1.202−07	1.877−01
80	107	9.933+02	5.730−01	8.476−11	2.969−03	4.496+03	6.651−07	9.802−01
80	108	9.072+02	4.347−08	7.151−18	1.908−10	2.388+02	3.928−08	5.287−02
80	109	8.884+02	6.037−02	1.191−11	2.984−04	0.000−00	0.000−00	0.000−00
80	110	8.606+02	1.381−00	1.022−10	2.328−03	8.037+02	5.949−08	7.596−02
80	111	8.013+02	2.569−00	4.120−10	7.575−03	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
80	112	7.822+02	1.423−02	8.701−13	1.488−05	1.535+01	9.388−10	1.089−03
80	113	7.323+02	2.484−00	1.997−10	2.804−03	8.244−01	6.629−11	7.202−05
80	114	6.961+02	8.259−00	6.000−10	7.233−03	1.084+02	7.875−09	8.133−03
80	115	6.832+02	4.248+01	9.909−10	1.130−02	0.000−00	0.000−00	0.000−00
80	116	6.782+02	1.679−00	1.544−10	1.721−03	5.867+01	5.394−09	5.427−03
80	117	6.708+02	1.648−01	7.410−12	7.992−05	1.276+02	5.737−09	5.709−03
80	118	6.543+02	2.719+01	1.745−09	1.746−02	1.946+01	1.249−09	1.212−03
80	119	6.408+02	2.533−01	1.039−11	9.777−05	1.021+02	4.191−09	3.985−03
80	120	6.400+02	3.380−00	6.918−11	6.480−04	0.000−00	0.000−00	0.000−00
80	121	6.325+02	1.602−02	1.281−12	1.158−05	3.702+01	2.960−09	2.778−03
80	122	6.218+02	1.864+01	1.080−09	9.279−03	2.183−02	1.265−12	1.167−06
80	123	6.099+02	1.517−02	5.638−13	4.571−06	2.101+01	7.809−10	7.066−04
80	124	5.296+02	8.337−00	2.337−10	1.240−03	6.768+02	1.897−08	1.491−02
80	125	5.275+02	8.555−01	3.569−11	1.873−04	1.277+01	5.330−10	4.172−04
80	126	5.170+02	6.560−00	8.764−11	4.328−04	0.000−00	0.000−00	0.000−00
80	127	4.677+02	9.144−01	1.999−11	7.311−05	6.558+02	1.434−08	9.950−03
80	128	4.249+02	1.879+02	1.695−09	4.647−03	0.000−00	0.000−00	0.000−00
80	129	4.204+02	8.363−01	2.954−11	7.843−05	5.771−01	2.038−11	1.271−05
80	130	4.000+02	1.968+01	4.722−10	1.080−03	6.544−00	1.570−10	9.319−05
80	131	3.951+02	2.240−00	3.494−11	7.700−05	1.005−00	1.567−11	9.185−06
80	132	3.674+02	1.962+01	1.324−10	2.346−04	0.000−00	0.000−00	0.000−00
80	133	3.433+02	8.829−00	1.040−10	1.504−04	1.426+02	1.679−09	8.554−04
80	134	3.353+02	9.291+01	1.566−09	2.111−03	3.997−00	6.738−11	3.352−05
81	83	6.826+03	0.000−00	0.000−00	0.000−00	8.579−00	5.993−08	2.023−01
81	84	5.364+03	8.780−08	7.575−16	1.393−06	5.968−00	5.149−08	1.366−01
81	86	4.252+03	7.427−06	4.026−14	3.686−05	1.622+01	8.794−08	1.849−01
81	88	3.622+03	1.166−03	6.878−12	3.892−03	0.000−00	0.000−00	0.000−00
81	89	3.542+03	5.818−04	3.282−12	1.736−03	0.000−00	0.000−00	0.000−00
81	90	2.910+03	1.150−03	2.919−12	8.573−04	3.418−00	8.682−09	1.250−02
81	92	2.513+03	7.225−03	1.368−11	2.585−03	9.088+01	1.721−07	2.138−01
81	93	2.190+03	3.814−04	8.225−13	1.029−04	0.000−00	0.000−00	0.000−00
81	95	1.973+03	9.094−04	1.592−12	1.457−04	0.000−00	0.000−00	0.000−00
81	97	1.792+03	0.000−00	0.000−00	0.000−00	6.840+01	3.294−08	2.920−02
81	98	1.570+03	2.582−01	1.908−10	8.792−03	2.372−01	1.752−10	1.361−04
81	99	1.518+03	6.919−03	7.173−12	2.990−04	0.000−00	0.000−00	0.000−00
81	100	1.408+03	5.491−01	3.265−10	1.086−02	1.554+02	9.238−08	6.434−02
81	101	1.415+03	7.732−02	6.963−11	2.350−03	0.000−00	0.000−00	0.000−00
81	102	1.227+03	5.852−02	3.963−11	8.723−04	0.000−00	0.000−00	0.000−00
81	103	1.213+03	0.000−00	0.000−00	0.000−00	2.328+02	5.134−08	3.080−02
81	104	1.139+03	6.190−02	2.406−11	4.233−04	1.297+03	5.043−07	2.840−01
81	105	1.108+03	0.000−00	0.000−00	0.000−00	7.547−00	1.388−09	7.607−04
81	107	1.046+03	5.419−02	2.664−11	3.626−04	0.000−00	0.000−00	0.000−00
81	110	8.995+02	8.569−02	2.079−11	1.802−04	3.243+02	7.868−08	3.500−02
81	112	8.142+02	4.757−00	9.455−10	6.078−03	7.510+01	1.493−08	6.010−03
81	113	7.603+02	1.280−00	3.328−10	1.742−03	0.000−00	0.000−00	0.000−00
81	114	7.213+02	5.052−01	1.182−10	5.285−04	0.000−00	0.000−00	0.000−00
81	115	7.075+02	0.000−00	0.000−00	0.000−00	1.525+01	1.144−09	4.004−04
81	117	6.942+02	1.287−02	1.860−12	7.410−06	4.422+02	6.389−08	2.193−02
81	118	6.765+02	1.088−02	2.240−12	8.262−06	0.000−00	0.000−00	0.000−00
81	119	6.622+02	2.233−00	2.936−10	1.015−03	5.161+01	6.785−09	2.222−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
81	120	6.612+02	0.000−00	0.000−00	0.000−00	1.075−00	7.047−11	2.304−05
81	122	6.418+02	8.293−06	1.537−15	4.839−09	0.000−00	0.000−00	0.000−00
81	123	6.292+02	1.097+02	1.302−08	3.863−02	1.219+03	1.447−07	4.504−02
81	124	5.440+02	2.209−00	1.960−10	3.760−04	6.776+01	6.014−09	1.618−03
81	125	5.419+02	8.059−01	1.065−10	2.018−04	0.000−00	0.000−00	0.000−00
81	126	5.308+02	0.000−00	0.000−00	0.000−00	9.961+02	4.208−08	1.104−02
81	127	4.790+02	3.907−00	2.687−10	3.518−04	5.970+02	4.107−08	9.728−03
81	128	4.341+02	0.000−00	0.000−00	0.000−00	2.773+01	7.835−10	1.682−04
81	130	4.082+02	2.917−01	2.186−11	1.772−05	0.000−00	0.000−00	0.000−00
81	131	4.031+02	1.476+02	7.189−09	5.608−03	3.814+02	1.858−08	3.703−03
81	132	3.743+02	0.000−00	0.000−00	0.000−00	4.121+02	8.656−09	1.602−03
81	133	3.493+02	7.641+01	2.796−09	1.420−03	9.386+01	3.434−09	5.933−04
81	134	3.411+02	7.393+01	3.868−09	1.828−03	0.000−00	0.000−00	0.000−00
82	84	9.028+03	3.092−05	1.889−13	6.624−03	0.000−00	0.000−00	0.000−00
82	85	9.344+03	5.986−05	9.795−13	3.808−02	1.675+01	2.740−07	5.065−00
82	86	6.268+03	1.192−05	3.511−14	4.120−04	0.000−00	0.000−00	0.000−00
82	87	5.768+03	1.685−04	8.407−13	7.689−03	4.239−00	2.115−08	2.413−01
82	88	4.989+03	1.036−04	2.899−13	1.715−03	2.123−00	5.940−09	5.862−02
82	89	4.838+03	5.455−03	1.435−11	7.744−02	1.833+01	4.824−08	4.617−01
82	90	3.732+03	7.550−03	7.883−12	1.953−02	0.000−00	0.000−00	0.000−00
82	91	3.198+03	6.606−04	1.266−12	1.973−03	3.773−00	7.230−09	4.574−02
82	92	3.103+03	4.703−02	3.394−11	4.830−02	0.000−00	0.000−00	0.000−00
82	93	2.624+03	5.006−02	3.876−11	3.338−02	1.162+02	8.997−08	4.671−01
82	94	2.484+03	1.960−02	1.813−11	1.324−02	3.135−00	2.900−09	1.425−02
82	95	2.319+03	9.422−03	5.698−12	3.387−03	1.328+01	8.032−09	3.685−02
82	96	2.200+03	1.866−01	1.354−10	6.871−02	1.156+02	8.386−08	3.650−01
82	98	1.781+03	1.905−01	4.531−11	1.220−02	0.000−00	0.000−00	0.000−00
82	99	1.715+03	1.141−01	3.775−11	9.077−03	6.175+01	2.043−08	6.931−02
82	100	1.576+03	4.120−00	7.673−10	1.432−01	0.000−00	0.000−00	0.000−00
82	101	1.585+03	4.918−02	1.389−11	2.633−03	7.938+01	2.241−08	7.025−02
82	102	1.353+03	3.352−00	6.897−10	8.133−02	4.836+02	9.950−08	2.662−01
82	104	1.246+03	3.273−05	3.809−15	3.512−07	0.000−00	0.000−00	0.000−00
82	106	1.213+03	6.201−02	1.367−11	1.162−03	3.458+03	7.625−07	1.829−00
82	107	1.135+03	4.754−02	6.890−12	4.803−04	1.860+03	2.696−07	6.054−01
82	108	1.024+03	1.758−01	2.764−11	1.415−03	4.378+02	6.885−08	1.395−01
82	109	1.000+03	7.041−03	1.320−12	6.297−05	3.279+02	6.148−08	1.217−01
82	110	9.652+02	5.747−00	4.013−10	1.719−02	0.000−00	0.000−00	0.000−00
82	111	8.912+02	3.441−01	5.120−11	1.727−03	3.897+01	5.799−09	1.022−02
82	112	8.676+02	2.144−00	1.210−10	3.764−03	0.000−00	0.000−00	0.000−00
82	113	8.067+02	4.297−00	3.144−10	7.866−03	1.316+02	9.626−09	1.536−02
82	114	7.630+02	7.777−01	5.090−11	1.077−03	4.864+02	3.183−08	4.804−02
82	116	7.415+02	9.007−01	7.423−11	1.442−03	1.003+01	8.266−10	1.212−03
82	117	7.327+02	8.997−02	3.620−12	6.784−05	0.000−00	0.000−00	0.000−00
82	118	7.130+02	9.373−01	5.357−11	9.252−04	8.958+01	5.120−09	7.222−03
82	119	6.971+02	7.204−01	2.624−11	4.235−04	0.000−00	0.000−00	0.000−00
82	121	6.872+02	7.207−02	5.102−12	7.889−05	1.617+01	1.145−09	1.556−03
82	122	6.746+02	4.735−01	2.423−11	3.544−04	2.427+02	1.242−08	1.657−02
82	123	6.606+02	1.653+01	5.409−10	7.431−03	0.000−00	0.000−00	0.000−00
82	124	5.674+02	8.931−00	2.155−10	1.876−03	0.000−00	0.000−00	0.000−00
82	125	5.651+02	1.032−00	3.706−11	3.186−04	7.067+02	2.537−08	2.836−02

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
82	127	4.970+02	1.017+01	1.884−10	1.102−03	0.000−00	0.000−00	0.000−00
82	129	4.439+02	9.013−09	2.662−19	1.109−12	2.362−01	6.976−12	6.125−06
82	130	4.212+02	1.080+02	2.156−09	7.678−03	5.910+02	1.179−08	9.826−03
82	131	4.157+02	7.589+01	9.832−10	3.366−03	0.000−00	0.000−00	0.000−00
82	133	3.588+02	3.915+02	3.778−09	8.316−03	0.000−00	0.000−00	0.000−00
82	134	3.501+02	3.240+02	4.466−09	9.133−03	1.812+01	2.498−10	1.730−04
83	84	2.505+04	2.988−07	5.623−14	1.053−02	7.899−01	1.486−07	1.841−00
83	86	1.128+04	9.966−06	3.799−13	6.488−03	3.418−00	1.303−07	7.265−01
83	88	7.716+03	3.488−04	9.340−12	5.111−02	0.000−00	0.000−00	0.000−00
83	89	7.360+03	4.594−04	1.119−11	5.317−02	0.000−00	0.000−00	0.000−00
83	90	5.074+03	6.401−04	4.940−12	7.686−03	9.126−00	7.044−08	1.767−01
83	92	3.977+03	1.207−05	5.723−14	4.288−05	1.621+01	7.687−08	1.512−01
83	93	3.224+03	2.397−04	1.121−12	4.472−04	0.000−00	0.000−00	0.000−00
83	95	2.775+03	2.066−04	7.155−13	1.822−04	0.000−00	0.000−00	0.000−00
83	97	2.431+03	0.000−00	0.000−00	0.000−00	4.393+01	3.891−08	4.677−02
83	98	2.039+03	1.061−02	1.322−11	1.334−03	2.229−00	2.777−09	2.800−03
83	99	1.952+03	2.003−02	3.435−11	3.046−03	0.000−00	0.000−00	0.000−00
83	100	1.774+03	1.735−05	1.638−14	1.090−06	3.728+01	3.519−08	3.088−02
83	101	1.785+03	4.709−03	6.748−12	4.572−04	0.000−00	0.000−00	0.000−00
83	102	1.496+03	2.824−02	2.843−11	1.134−03	0.000−00	0.000−00	0.000−00
83	103	1.475+03	0.000−00	0.000−00	0.000−00	7.119+02	2.322−07	1.693−01
83	104	1.367+03	1.572−02	8.806−12	2.678−04	9.313+01	5.216−08	3.526−02
83	105	1.322+03	0.000−00	0.000−00	0.000−00	4.707+02	1.234−07	8.070−02
83	107	1.235+03	3.555−03	2.437−12	5.462−05	0.000−00	0.000−00	0.000−00
83	110	1.036+03	3.601−02	1.159−11	1.535−04	2.763+02	8.892−08	4.556−02
83	112	9.244+02	3.553−02	9.102−12	8.566−05	2.309+02	5.916−08	2.705−02
83	113	8.556+02	1.209−00	3.981−10	2.971−03	0.000−00	0.000−00	0.000−00
83	114	8.066+02	1.955−02	5.719−12	3.575−05	0.000−00	0.000−00	0.000−00
83	115	7.893+02	0.000−00	0.000−00	0.000−00	3.260+02	3.045−08	1.189−02
83	117	7.728+02	4.313−03	7.722−13	4.245−06	6.771+02	1.212−07	4.634−02
83	118	7.509+02	1.705−01	4.325−11	2.181−04	0.000−00	0.000−00	0.000−00
83	119	7.333+02	5.945−01	9.586−11	4.503−04	7.854+01	1.266−08	4.593−03
83	120	7.322+02	0.000−00	0.000−00	0.000−00	3.646+01	2.930−09	1.061−03
83	122	7.084+02	1.087−00	2.453−10	1.039−03	0.000−00	0.000−00	0.000−00
83	123	6.931+02	3.820−00	5.502−10	2.182−03	5.837+01	8.407−09	2.881−03
83	124	5.912+02	2.746−00	2.877−10	7.081−04	3.001+01	3.144−09	9.193−04
83	125	5.886+02	4.795−01	7.473−11	1.816−04	0.000−00	0.000−00	0.000−00
83	126	5.756+02	0.000−00	0.000−00	0.000−00	5.390+03	2.677−07	7.620−02
83	127	5.151+02	3.909−03	3.110−13	5.064−07	3.520+02	2.801−08	7.135−03
83	128	4.636+02	0.000−00	0.000−00	0.000−00	5.068+02	1.633−08	3.745−03
83	130	4.342+02	2.425−01	2.056−11	2.005−05	0.000−00	0.000−00	0.000−00
83	131	4.284+02	3.593−00	1.977−10	1.851−04	3.237+02	1.781−08	3.772−03
83	132	3.960+02	0.000−00	0.000−00	0.000−00	6.613+02	1.555−08	3.046−03
83	133	3.682+02	3.159−00	1.284−10	7.632−05	1.989+02	8.083−09	1.472−03
83	134	3.590+02	1.612+01	9.347−10	5.152−04	0.000−00	0.000−00	0.000−00
84	86	2.050+04	5.913−07	3.727−14	7.655−03	1.408−01	8.876−09	1.800−01
84	87	1.598+04	4.005−06	3.065−13	2.979−02	0.000−00	0.000−00	0.000−00
84	88	1.115+04	1.647−04	4.605−12	1.521−01	6.805−00	1.903−07	2.098−00
84	89	1.042+04	8.199−06	2.003−13	5.403−03	1.809−00	4.419−08	4.556−01
84	90	6.362+03	3.552−04	2.156−12	1.323−02	2.386−00	1.448−08	9.109−02

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i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
84	92	4.727+03	1.234−04	4.133−13	1.040−03	7.418−01	2.485−09	1.162−02
84	93	3.700+03	4.852−06	1.494−14	1.802−05	6.892−02	2.121−10	7.763−04
84	94	3.427+03	1.733−03	6.100−12	5.847−03	0.000−00	0.000−00	0.000−00
84	95	3.121+03	1.396−06	3.058−15	2.215−06	7.636−01	1.673−09	5.163−03
84	96	2.909+03	2.052−02	5.207−11	3.053−02	0.000−00	0.000−00	0.000−00
84	97	2.692+03	3.530−02	1.917−11	8.908−03	1.546+01	8.395−09	2.235−02
84	98	2.219+03	1.134−05	8.376−15	2.181−06	5.953−00	4.395−09	9.647−03
84	99	2.118+03	3.405−02	3.433−11	7.767−03	1.393+01	1.404−08	2.942−02
84	100	1.910+03	4.448−03	2.432−12	4.034−04	1.672+01	9.141−09	1.726−02
84	101	1.922+03	2.489−06	2.067−15	3.497−07	1.547−02	1.285−11	2.443−05
84	102	1.591+03	2.560−05	1.457−14	1.399−06	4.779−00	2.721−09	4.282−03
84	103	1.567+03	1.407−02	2.590−12	2.374−04	9.360+01	1.723−08	2.671−02
84	104	1.446+03	1.412−02	4.423−12	3.184−04	3.225−00	1.011−09	1.445−03
84	105	1.396+03	3.969−03	5.799−13	3.760−05	3.635+01	5.312−09	7.335−03
84	106	1.401+03	3.757−02	2.211−11	1.448−03	0.000−00	0.000−00	0.000−00
84	107	1.299+03	2.117−02	8.028−12	4.188−04	9.582−01	3.634−10	4.667−04
84	108	1.155+03	1.696−01	6.785−11	2.492−03	0.000−00	0.000−00	0.000−00
84	110	1.081+03	1.238−01	2.168−11	6.518−04	9.018+02	1.579−07	1.688−01
84	112	9.598+02	1.010−01	1.395−11	2.938−04	6.995+01	9.662−09	9.172−03
84	113	8.859+02	3.679−03	6.493−13	1.076−05	1.593+02	2.811−08	2.463−02
84	114	8.334+02	9.377−02	1.465−11	2.020−04	2.167+01	3.385−09	2.790−03
84	115	8.150+02	2.451−01	1.220−11	1.574−04	5.164+03	2.571−07	2.073−01
84	116	8.078+02	1.558−01	3.048−11	3.828−04	0.000−00	0.000−00	0.000−00
84	117	7.974+02	1.462−02	1.394−12	1.683−05	2.819+02	2.686−08	2.119−02
84	118	7.741+02	1.359−00	1.832−10	2.024−03	7.702−00	1.038−09	7.947−04
84	119	7.554+02	2.588−00	2.214−10	2.273−03	1.844+02	1.577−08	1.178−02
84	120	7.542+02	3.491−00	1.488−10	1.521−03	5.350+02	2.281−08	1.702−02
84	121	7.438+02	3.526−01	5.850−11	5.735−04	0.000−00	0.000−00	0.000−00
84	122	7.291+02	1.630−01	1.948−11	1.799−04	2.359+02	2.820−08	2.033−02
84	123	7.128+02	6.048−01	4.606−11	3.974−04	2.605+02	1.984−08	1.399−02
84	124	6.055+02	2.407−01	1.323−11	6.994−05	6.436+01	3.537−09	2.118−03
84	125	6.028+02	1.021−00	8.341−11	4.353−04	1.625+02	1.328−08	7.917−03
84	126	5.891+02	5.091−01	1.324−11	6.450−05	8.397−00	2.184−10	1.273−04
84	127	5.259+02	5.621−05	2.331−15	8.080−09	3.356+03	1.392−07	7.239−02
84	128	4.724+02	1.710−02	2.860−13	7.182−07	9.362+03	1.566−07	7.316−02
84	129	4.668+02	8.176−02	5.342−12	1.295−05	0.000−00	0.000−00	0.000−00
84	130	4.419+02	5.122−02	2.249−12	4.623−06	1.140−00	5.006−11	2.188−05
84	131	4.358+02	9.143−02	2.603−12	5.134−06	7.883+02	2.245−08	9.676−03
84	132	4.024+02	4.160−00	5.049−11	7.837−05	7.306+02	8.868−09	3.529−03
84	133	3.737+02	2.948−00	6.171−11	7.670−05	3.239+01	6.779−10	2.505−04
84	134	3.642+02	1.554−01	4.636−12	5.338−06	1.424+02	4.249−09	1.531−03
85	87	1.508+04	1.484−05	4.044−13	8.253−02	1.389−01	3.785−09	1.411−01
85	88	1.070+04	4.941−05	5.091−13	3.718−02	0.000−00	0.000−00	0.000−00
85	89	1.003+04	2.629−05	2.379−13	1.430−02	0.000−00	0.000−00	0.000−00
85	91	4.862+03	4.495−05	1.593−13	1.090−03	3.881−01	1.375−09	1.653−02
85	93	3.649+03	6.105−02	7.313−11	2.117−01	0.000−00	0.000−00	0.000−00
85	94	3.383+03	5.745−03	7.888−12	1.819−02	5.049−00	6.931−09	5.798−02
85	95	3.085+03	2.039−04	1.746−13	3.052−04	0.000−00	0.000−00	0.000−00
85	96	2.878+03	1.011−01	1.005−10	1.426−01	1.874−02	1.862−11	1.325−04
85	99	2.101+03	3.760−03	1.493−12	8.246−04	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
85	101	1.908+03	1.001−01	3.280−11	1.357−02	0.000−00	0.000−00	0.000−00
85	102	1.582+03	1.386−00	3.119−10	7.350−02	0.000−00	0.000−00	0.000−00
85	106	1.394+03	3.066−02	7.141−12	1.151−03	1.249+02	2.909−08	1.002−01
85	107	1.292+03	4.243−04	6.374−14	8.193−06	0.000−00	0.000−00	0.000−00
85	108	1.150+03	1.412−00	2.240−10	2.030−02	3.467+03	5.501−07	1.565−00
85	109	1.120+03	6.159−02	1.159−11	9.703−04	4.570+03	8.598−07	2.382−00
85	111	9.851+02	9.965−03	1.450−12	8.255−05	1.096+02	1.594−08	3.883−02
85	113	8.830+02	3.412−00	2.392−10	9.809−03	0.000−00	0.000−00	0.000−00
85	114	8.308+02	1.265−00	7.852−11	2.682−03	0.000−00	0.000−00	0.000−00
85	116	8.054+02	6.022−01	4.685−11	1.458−03	1.166+02	9.069−09	1.806−02
85	118	7.719+02	5.828−00	3.123−10	8.555−03	0.000−00	0.000−00	0.000−00
85	121	7.417+02	5.852−02	3.861−12	9.385−05	1.144+02	7.550−09	1.385−02
85	122	7.271+02	1.624−00	7.724−11	1.768−03	0.000−00	0.000−00	0.000−00
85	125	6.015+02	1.356−00	4.411−11	5.716−04	0.000−00	0.000−00	0.000−00
85	129	4.660+02	7.532−04	1.962−14	1.182−07	2.061−00	5.367−11	6.185−05
85	130	4.411+02	7.725+01	1.352−09	6.914−03	0.000−00	0.000−00	0.000−00
85	134	3.637+02	5.471+02	6.511−09	1.866−02	0.000−00	0.000−00	0.000−00
86	87	7.237+04	2.681−09	4.211−15	3.802−02	0.000−00	0.000−00	0.000−00
86	88	2.444+04	3.557−09	4.778−16	1.662−04	3.150−01	4.232−08	1.023−00
86	89	2.120+04	1.322−06	1.336−13	3.031−02	2.430−02	2.455−09	5.147−02
86	90	9.224+03	7.054−05	8.998−13	1.682−02	1.817+01	2.317−07	2.114−00
86	92	6.144+03	2.445−04	1.384−12	7.645−03	3.083+01	1.744−07	1.060−00
86	93	4.514+03	5.176−03	2.372−11	5.200−02	6.483+01	2.971−07	1.327−00
86	94	4.114+03	2.130−04	1.081−12	1.793−03	0.000−00	0.000−00	0.000−00
86	95	3.681+03	6.714−05	2.046−13	2.432−04	4.066−00	1.239−08	4.512−02
86	96	3.390+03	2.832−02	9.758−11	9.055−02	0.000−00	0.000−00	0.000−00
86	97	3.098+03	3.277−02	2.358−11	1.671−02	1.017+02	7.316−08	2.242−01
86	98	2.488+03	3.396−02	3.153−11	1.158−02	4.797−01	4.453−10	1.096−03
86	99	2.361+03	9.757−02	1.224−10	3.839−02	4.484+01	5.623−08	1.313−01
86	100	2.106+03	1.126−03	7.482−13	1.664−04	4.064+01	2.701−08	5.626−02
86	101	2.121+03	8.707−04	8.806−13	2.001−04	3.130+01	3.165−08	6.639−02
86	102	1.725+03	2.058−03	1.377−12	1.684−04	3.205+01	2.145−08	3.659−02
86	103	1.697+03	6.179−02	1.333−11	1.552−03	8.314+02	1.794−07	3.011−01
86	104	1.555+03	3.652−01	1.324−10	1.187−02	1.108+02	4.020−08	6.183−02
86	105	1.498+03	3.562−01	5.993−11	4.801−03	1.197+02	2.013−08	2.983−02
86	106	1.504+03	3.767−02	2.554−11	2.068−03	0.000−00	0.000−00	0.000−00
86	107	1.386+03	6.686−03	2.890−12	1.834−04	1.533+02	6.625−08	9.084−02
86	108	1.224+03	4.277−03	1.922−12	8.398−05	0.000−00	0.000−00	0.000−00
86	110	1.141+03	2.609−00	5.091−10	1.801−02	6.447+02	1.258−07	1.419−01
86	112	1.007+03	2.553−02	3.881−12	9.440−05	6.272+02	9.534−08	9.495−02
86	113	9.259+02	3.978−05	7.669−15	1.450−07	3.530+02	6.805−08	6.232−02
86	114	8.687+02	1.244−03	2.110−13	3.296−06	1.191+02	2.021−08	1.737−02
86	115	8.488+02	1.634−00	8.823−11	1.285−03	2.436+02	1.315−08	1.104−02
86	116	8.409+02	1.029−00	2.181−10	3.090−03	0.000−00	0.000−00	0.000−00
86	117	8.296+02	5.943−02	6.132−12	8.342−05	3.267+03	3.371−07	2.766−01
86	118	8.045+02	1.507−00	2.193−10	2.720−03	2.673+02	3.890−08	3.096−02
86	119	7.843+02	1.440−04	1.328−14	1.526−07	1.373+01	1.266−09	9.820−04
86	120	7.830+02	4.221−01	1.940−11	2.219−04	4.292−00	1.972−10	1.527−04
86	121	7.718+02	2.896−01	5.172−11	5.665−04	0.000−00	0.000−00	0.000−00
86	122	7.559+02	1.431−03	1.839−13	1.893−06	1.506+01	1.935−09	1.447−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
86	123	7.385+02	2.914−01	2.382−11	2.285−04	4.308+01	3.522−09	2.572−03
86	124	6.239+02	4.291−01	2.504−11	1.448−04	1.642+01	9.584−10	5.914−04
86	125	6.211+02	1.599−02	1.387−12	7.915−06	6.350+01	5.508−09	3.383−03
86	126	6.065+02	1.936−00	5.338−11	2.838−04	2.186+03	6.028−08	3.616−02
86	127	5.398+02	3.367−00	1.471−10	5.512−04	2.440+01	1.066−09	5.690−04
86	128	4.835+02	1.469−01	2.574−12	6.933−06	3.372−00	5.909−11	2.826−05
86	129	4.777+02	1.165−00	7.971−11	2.070−04	0.000−00	0.000−00	0.000−00
86	130	4.516+02	1.048−00	4.808−11	1.055−04	8.065+01	3.699−09	1.652−03
86	131	4.453+02	3.348−00	9.952−11	2.093−04	2.536+02	7.538−09	3.320−03
86	132	4.104+02	2.294+01	2.897−10	4.772−04	4.363+02	5.509−09	2.236−03
86	133	3.806+02	1.564+01	3.397−10	4.461−04	9.741+02	2.115−08	7.963−03
86	134	3.708+02	4.903+01	1.516−09	1.842−03	1.168+02	3.611−09	1.324−03
87	88	3.690+04	1.834−09	2.808−16	6.725−04	2.043−01	3.129−08	2.284−00
87	89	2.998+04	4.748−07	4.798−14	6.160−02	6.252−01	6.318−08	3.747−00
87	90	1.057+04	2.254−05	1.888−13	1.063−02	0.000−00	0.000−00	0.000−00
87	91	7.176+03	5.942−04	5.735−12	1.010−01	1.467+01	1.416−07	2.010−00
87	92	6.714+03	3.052−04	1.031−12	1.487−02	0.000−00	0.000−00	0.000−00
87	93	4.815+03	2.717−03	7.081−12	3.766−02	1.221−06	3.183−15	3.032−08
87	94	4.362+03	1.382−03	3.944−12	1.560−02	1.587+01	4.528−08	3.907−01
87	95	3.879+03	1.485−03	2.513−12	6.986−03	2.227−01	3.768−10	2.891−03
87	96	3.556+03	1.170−03	2.218−12	4.754−03	8.194−00	1.554−08	1.093−01
87	98	2.577+03	4.356−03	2.168−12	1.769−03	0.000−00	0.000−00	0.000−00
87	99	2.441+03	3.474−02	2.328−11	1.613−02	1.645−00	1.102−09	5.321−03
87	100	2.169+03	1.644−02	5.796−12	2.817−03	0.000−00	0.000−00	0.000−00
87	101	2.185+03	1.504−02	8.070−12	4.010−03	1.265+01	6.788−09	2.933−02
87	102	1.767+03	1.180−01	4.143−11	1.089−02	2.150−01	7.549−11	2.639−04
87	104	1.589+03	3.609−02	6.835−12	1.308−03	0.000−00	0.000−00	0.000−00
87	106	1.536+03	1.629−03	5.757−13	9.931−05	1.962−00	6.934−10	2.106−03
87	107	1.413+03	2.334−03	5.243−13	7.055−05	1.520+02	3.415−08	9.549−02
87	108	1.245+03	2.792−02	6.490−12	5.971−04	8.017+02	1.864−07	4.590−01
87	109	1.210+03	2.496−02	6.849−12	5.784−04	2.377+02	6.524−08	1.562−01
87	110	1.159+03	2.556−02	2.574−12	1.910−04	0.000−00	0.000−00	0.000−00
87	111	1.054+03	1.511−02	3.146−12	1.755−04	1.489−00	3.099−10	6.461−04
87	112	1.021+03	1.736−04	1.357−14	6.884−07	0.000−00	0.000−00	0.000−00
87	113	9.379+02	4.577−02	4.527−12	1.780−04	5.508+03	5.447−07	1.011−00
87	114	8.792+02	4.390−01	3.816−11	1.236−03	1.175+03	1.021−07	1.776−01
87	116	8.508+02	3.233−01	3.508−11	1.030−03	9.319−00	1.011−09	1.702−03
87	117	8.392+02	1.076−02	5.681−13	1.600−05	0.000−00	0.000−00	0.000−00
87	118	8.135+02	2.269−00	1.689−10	4.332−03	4.727+02	3.518−08	5.661−02
87	119	7.929+02	1.334−00	6.285−11	1.493−03	0.000−00	0.000−00	0.000−00
87	121	7.801+02	3.227−02	2.944−12	6.661−05	1.282+03	1.170−07	1.805−01
87	122	7.639+02	1.035−00	6.793−11	1.443−03	1.768+02	1.160−08	1.753−02
87	123	7.461+02	8.606−00	3.591−10	7.105−03	0.000−00	0.000−00	0.000−00
87	124	6.293+02	2.782−00	8.259−11	9.807−04	0.000−00	0.000−00	0.000−00
87	125	6.264+02	6.815−03	3.007−13	3.522−06	1.271+03	5.608−08	6.949−02
87	127	5.438+02	1.592−00	3.529−11	2.705−04	0.000−00	0.000−00	0.000−00
87	129	4.809+02	2.745−01	9.516−12	5.042−05	1.943+01	6.735−10	6.406−04
87	130	4.544+02	3.919+01	9.100−10	4.069−03	1.163+02	2.702−09	2.429−03
87	131	4.480+02	3.468−01	5.218−12	2.236−05	0.000−00	0.000−00	0.000−00
87	133	3.826+02	5.186−01	5.691−12	1.519−05	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
87	134	3.727+02	5.447+01	8.508−10	2.099−03	3.163+03	4.942−08	3.644−02
88	89	1.598+05	1.312−10	5.020−16	7.315−02	9.658−04	3.695−09	8.759−01
88	90	1.482+04	4.732−06	1.038−13	1.206−02	2.469−00	5.417−08	1.191−00
88	91	8.909+03	5.356−06	1.062−13	2.684−03	0.000−00	0.000−00	0.000−00
88	92	8.206+03	8.638−05	5.814−13	1.148−02	6.793−00	4.572−08	5.567−01
88	93	5.537+03	1.116−05	5.130−14	3.112−04	2.142−01	9.844−10	8.087−03
88	94	4.947+03	1.619−03	7.918−12	3.426−02	5.679−00	2.778−08	2.039−01
88	95	4.334+03	2.653−04	7.473−13	2.174−03	1.087+01	3.061−08	1.968−01
88	96	3.936+03	1.572−04	4.868−13	1.061−03	4.042+01	1.252−07	7.308−01
88	97	3.548+03	1.636−03	1.030−12	1.644−03	0.000−00	0.000−00	0.000−00
88	98	2.771+03	1.433−02	1.099−11	8.354−03	1.307+01	1.003−08	4.122−02
88	99	2.614+03	8.597−03	8.807−12	5.622−03	3.559−00	3.645−09	1.414−02
88	100	2.304+03	6.722−02	3.567−11	1.559−02	1.184−00	6.283−10	2.148−03
88	101	2.322+03	1.891−03	1.529−12	6.841−04	2.738−01	2.214−10	7.627−04
88	102	1.856+03	2.038−04	1.053−13	2.404−05	3.839−00	1.982−09	5.458−03
88	103	1.823+03	7.849−04	1.304−13	2.825−05	0.000−00	0.000−00	0.000−00
88	104	1.661+03	2.305−03	6.354−13	1.041−04	8.094−02	2.232−11	5.500−05
88	105	1.596+03	9.397−02	1.196−11	1.737−03	0.000−00	0.000−00	0.000−00
88	106	1.602+03	8.749−03	4.489−12	6.598−04	4.922−00	2.525−09	6.003−03
88	107	1.470+03	6.870−04	2.225−13	2.524−05	3.154−00	1.021−09	2.227−03
88	108	1.289+03	6.706−02	2.226−11	1.703−03	1.359+01	4.513−09	8.628−03
88	109	1.251+03	2.107−01	8.241−11	5.768−03	0.000−00	0.000−00	0.000−00
88	110	1.197+03	2.198−01	3.145−11	1.926−03	7.282+02	1.042−07	1.850−01
88	111	1.085+03	2.463−02	7.243−12	3.306−04	0.000−00	0.000−00	0.000−00
88	112	1.050+03	1.780−02	1.963−12	8.125−05	1.653+03	1.823−07	2.840−01
88	113	9.623+02	3.806−01	5.284−11	1.683−03	6.679+02	9.273−08	1.324−01
88	114	9.007+02	5.068−04	6.164−14	1.610−06	3.313+02	4.030−08	5.385−02
88	115	8.793+02	3.304−01	1.277−11	3.102−04	0.000−00	0.000−00	0.000−00
88	116	8.709+02	1.662−01	2.520−11	5.947−04	6.366−00	9.652−10	1.247−03
88	117	8.588+02	5.444−01	4.013−11	9.083−04	8.011+02	5.905−08	7.523−02
88	118	8.319+02	4.171−05	4.327−15	8.902−08	1.058+02	1.097−08	1.354−02
88	119	8.103+02	2.424−01	1.590−11	3.024−04	1.497+02	9.825−09	1.181−02
88	120	8.089+02	6.163−01	2.015−11	3.812−04	0.000−00	0.000−00	0.000−00
88	121	7.970+02	7.927−02	1.006−11	1.821−04	3.929+02	4.989−08	5.898−02
88	122	7.801+02	6.165−01	5.624−11	9.540−04	2.654+03	2.421−07	2.802−01
88	123	7.615+02	1.777−01	1.030−11	1.625−04	2.034+02	1.178−08	1.331−02
88	124	6.402+02	7.700−01	3.154−11	2.958−04	4.173+02	1.709−08	1.624−02
88	125	6.373+02	6.457−01	3.931−11	3.636−04	1.798+03	1.094−07	1.035−01
88	126	6.220+02	2.507−03	4.846−14	4.167−07	0.000−00	0.000−00	0.000−00
88	127	5.520+02	1.826−01	5.560−12	3.342−05	3.038+03	9.250−08	7.575−02
88	128	4.933+02	7.070−00	8.597−11	3.687−04	0.000−00	0.000−00	0.000−00
88	129	4.872+02	1.262−03	5.987−14	2.475−07	3.871−00	1.837−10	1.328−04
88	130	4.601+02	5.844−03	1.855−13	6.457−07	1.032+02	3.274−09	2.235−03
88	131	4.535+02	3.944−01	8.108−12	2.703−05	1.928+03	3.964−08	2.668−02
88	132	4.175+02	9.749−02	8.490−13	2.207−06	0.000−00	0.000−00	0.000−00
88	133	3.866+02	1.962−05	2.931−16	6.052−10	6.107+02	9.124−09	5.233−03
88	134	3.765+02	1.608+01	3.418−10	6.521−04	3.761+02	7.995−09	4.466−03
89	90	1.633+04	7.865−06	2.096−13	3.262−02	3.109−00	8.286−08	2.007−00
89	91	9.435+03	2.038−04	4.534−12	1.361−01	0.000−00	0.000−00	0.000−00
89	92	8.651+03	1.175−06	8.786−15	2.033−04	2.211+01	1.654−07	2.123−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
89	93	5.736+03	6.349−04	3.132−12	2.112−02	1.161+01	5.726−08	4.873−01
89	94	5.105+03	2.585−03	1.347−11	6.404−02	4.677−00	2.436−08	1.845−01
89	95	4.455+03	1.259−04	3.747−13	1.184−03	2.380+01	7.082−08	4.681−01
89	96	4.035+03	5.870−04	1.910−12	4.485−03	2.894−00	9.419−09	5.639−02
89	97	3.629+03	1.930−04	1.270−13	2.170−04	0.000−00	0.000−00	0.000−00
89	98	2.820+03	3.765−06	2.991−15	2.396−06	4.146+01	3.294−08	1.378−01
89	99	2.658+03	1.669−02	1.767−11	1.185−02	1.022+02	1.082−07	4.265−01
89	100	2.338+03	3.268−02	1.785−11	8.151−03	1.043−00	5.700−10	1.977−03
89	101	2.356+03	8.662−03	7.211−12	3.372−03	3.217+01	2.678−08	9.362−02
89	102	1.878+03	1.153−01	6.095−11	1.442−02	3.702−00	1.957−09	5.451−03
89	103	1.844+03	1.491−02	2.535−12	5.684−04	0.000−00	0.000−00	0.000−00
89	104	1.678+03	2.909−02	8.192−12	1.384−03	6.948+01	1.956−08	4.872−02
89	105	1.612+03	5.200−01	6.753−11	1.011−02	0.000−00	0.000−00	0.000−00
89	106	1.618+03	1.532−03	8.021−13	1.215−04	4.234+01	2.217−08	5.322−02
89	107	1.483+03	4.083−03	1.347−12	1.571−04	2.704+01	8.919−09	1.963−02
89	108	1.299+03	1.399−02	4.720−12	3.699−04	4.970+01	1.677−08	3.232−02
89	109	1.261+03	5.130−03	2.039−12	1.461−04	0.000−00	0.000−00	0.000−00
89	110	1.206+03	3.300−01	4.795−11	3.004−03	8.877+01	1.290−08	2.307−02
89	111	1.092+03	7.207−01	2.149−10	1.001−02	0.000−00	0.000−00	0.000−00
89	112	1.057+03	7.542−01	8.425−11	3.558−03	4.129+03	4.612−07	7.234−01
89	113	9.682+02	1.271−01	1.786−11	5.793−04	3.723+01	5.232−09	7.515−03
89	114	9.058+02	1.568−01	1.929−11	5.125−04	1.361+03	1.674−07	2.250−01
89	115	8.842+02	7.564−02	2.955−12	7.299−05	0.000−00	0.000−00	0.000−00
89	116	8.757+02	2.165−02	3.318−12	7.961−05	7.603+01	1.165−08	1.514−02
89	117	8.634+02	9.895−01	7.372−11	1.696−03	2.484+03	1.851−07	2.371−01
89	118	8.362+02	4.022−01	4.216−11	8.811−04	1.421+02	1.490−08	1.848−02
89	119	8.144+02	1.149−02	7.615−13	1.470−05	1.796+03	1.191−07	1.439−01
89	120	8.130+02	6.011−04	1.985−14	3.813−07	0.000−00	0.000−00	0.000−00
89	121	8.010+02	1.930−01	2.475−11	4.544−04	1.806+02	2.317−08	2.753−02
89	122	7.839+02	4.983−01	4.591−11	7.903−04	1.607+02	1.481−08	1.722−02
89	123	7.651+02	1.995−01	1.167−11	1.868−04	3.415+02	1.998−08	2.268−02
89	124	6.428+02	5.196−00	2.146−10	2.037−03	7.337+02	3.030−08	2.889−02
89	125	6.398+02	7.134−01	4.378−11	4.098−04	6.249−01	3.835−11	3.640−05
89	126	6.244+02	5.046−00	9.831−11	8.552−04	0.000−00	0.000−00	0.000−00
89	127	5.539+02	3.599−02	1.103−12	6.701−06	3.276+02	1.005−08	8.256−03
89	128	4.948+02	4.346−02	5.317−13	2.302−06	0.000−00	0.000−00	0.000−00
89	129	4.887+02	3.467−00	1.655−10	6.904−04	3.379+01	1.613−09	1.170−03
89	130	4.614+02	1.078−04	3.440−15	1.208−08	6.180−00	1.973−10	1.351−04
89	131	4.548+02	2.880−01	5.954−12	2.002−05	3.755+02	7.764−09	5.239−03
89	132	4.185+02	1.564−00	1.369−11	3.586−05	0.000−00	0.000−00	0.000−00
89	133	3.875+02	3.207+01	4.814−10	1.001−03	1.276+03	1.915−08	1.101−02
89	134	3.774+02	2.743+01	5.859−10	1.126−03	2.815+02	6.012−09	3.366−03
90	92	1.840+04	4.323−07	2.193−14	3.253−03	2.722−02	1.381−09	2.513−02
90	93	8.842+03	6.244−06	1.098−13	1.808−03	3.352−00	5.894−08	5.154−01
90	94	7.427+03	1.108−04	1.832−12	1.788−02	0.000−00	0.000−00	0.000−00
90	95	6.126+03	6.759−04	5.704−12	3.125−02	7.651−00	6.457−08	3.913−01
90	96	5.359+03	3.349−04	2.884−12	1.058−02	0.000−00	0.000−00	0.000−00
90	97	4.666+03	1.633−03	2.664−12	6.447−03	8.497+01	1.386−07	6.399−01
90	98	3.408+03	1.257−02	2.188−11	2.063−02	4.053+01	7.057−08	2.379−01
90	99	3.174+03	7.817−03	1.771−11	1.349−02	6.933+01	1.571−07	4.931−01

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
90	100	2.728+03	6.206−02	6.926−11	3.352−02	7.965+01	8.890−08	2.399−01
90	101	2.754+03	9.401−04	1.603−12	7.978−04	6.267+01	1.069−07	2.911−01
90	102	2.122+03	5.508−03	5.576−12	1.269−03	2.283+02	2.311−07	4.850−01
90	103	2.079+03	9.829−03	3.185−12	6.822−04	1.815+01	5.880−09	1.209−02
90	104	1.871+03	3.189−01	1.673−10	2.609−02	6.318+02	3.314−07	6.133−01
90	105	1.789+03	1.434−00	3.438−10	4.687−02	6.173+01	1.480−08	2.619−02
90	106	1.796+03	2.097−03	2.029−12	2.802−04	0.000−00	0.000−00	0.000−00
90	107	1.632+03	4.496−05	2.691−14	2.785−06	3.599+02	2.155−07	3.477−01
90	108	1.412+03	1.767−02	1.055−11	7.070−04	0.000−00	0.000−00	0.000−00
90	110	1.302+03	5.198−01	1.321−10	6.942−03	1.801+01	4.575−09	5.891−03
90	112	1.130+03	1.541−02	2.951−12	1.016−04	6.633+02	1.271−07	1.420−01
90	113	1.029+03	5.175−01	1.233−10	3.202−03	1.750−00	4.169−10	4.244−04
90	114	9.590+02	8.888−03	1.838−12	3.863−05	7.023−00	1.453−09	1.378−03
90	115	9.348+02	1.143+01	7.487−10	1.457−02	1.162+02	7.613−09	7.039−03
90	116	9.253+02	3.869−01	9.932−11	1.874−03	0.000−00	0.000−00	0.000−00
90	117	9.116+02	1.008−00	1.255−10	2.266−03	2.821+02	3.514−08	3.168−02
90	118	8.814+02	7.041−01	1.230−10	2.006−03	2.647+01	4.624−09	4.031−03
90	119	8.572+02	1.812−01	1.996−11	2.996−04	7.636+01	8.412−09	7.132−03
90	120	8.556+02	1.313−00	7.208−11	1.076−03	3.114+03	1.709−07	1.446−01
90	121	8.423+02	1.765−02	3.753−12	5.343−05	0.000−00	0.000−00	0.000−00
90	122	8.234+02	1.288−01	1.964−11	2.612−04	8.429−00	1.285−09	1.047−03
90	123	8.027+02	4.451−00	4.299−10	5.298−03	2.385−00	2.304−10	1.829−04
90	124	6.691+02	1.340−00	8.994−11	6.420−04	1.329+03	8.919−08	5.903−02
90	125	6.659+02	9.242−01	9.216−11	6.483−04	1.839+01	1.834−09	1.208−03
90	126	6.492+02	3.469−00	1.096−10	7.145−04	2.107+03	6.656−08	4.274−02
90	127	5.733+02	1.276−00	6.290−11	2.824−04	1.658+02	8.168−09	4.632−03
90	128	5.103+02	2.209−00	4.312−11	1.365−04	3.016−01	5.887−12	2.971−06
90	129	5.038+02	1.180−01	8.977−12	2.735−05	0.000−00	0.000−00	0.000−00
90	130	4.749+02	2.172−00	1.102−10	2.810−04	9.735+02	4.936−08	2.318−02
90	131	4.679+02	4.138−00	1.358−10	3.313−04	1.383+02	4.539−09	2.101−03
90	132	4.295+02	7.381−00	1.021−10	1.928−04	9.892+01	1.368−09	5.813−04
90	133	3.970+02	3.988−00	9.422−11	1.404−04	1.296+02	3.061−09	1.202−03
90	134	3.864+02	2.311+01	7.757−10	1.066−03	7.771−00	2.609−10	9.968−05
91	93	1.463+04	9.156−07	1.763−14	3.289−03	0.000−00	0.000−00	0.000−00
91	94	1.112+04	8.243−06	1.223−13	1.003−02	1.272+01	1.888−07	5.194−00
91	95	8.440+03	3.885−05	2.490−13	8.918−03	0.000−00	0.000−00	0.000−00
91	96	7.050+03	5.635−04	3.359−12	7.011−02	3.170−02	1.890−10	3.294−03
91	99	3.700+03	2.237−02	2.754−11	8.305−02	0.000−00	0.000−00	0.000−00
91	101	3.141+03	3.308−03	2.936−12	5.419−03	0.000−00	0.000−00	0.000−00
91	102	2.344+03	1.544−02	7.633−12	5.857−03	0.000−00	0.000−00	0.000−00
91	106	1.954+03	1.796−03	8.218−13	3.649−04	1.179−01	5.395−11	2.606−04
91	107	1.760+03	5.655−03	1.576−12	5.118−04	0.000−00	0.000−00	0.000−00
91	108	1.507+03	1.849−01	5.033−11	1.025−02	3.518−04	9.578−14	3.568−07
91	109	1.456+03	4.228−05	1.343−14	2.468−06	1.861−00	5.912−10	2.128−03
91	111	1.235+03	2.945−01	6.739−11	7.568−03	1.017+02	2.326−08	7.106−02
91	113	1.079+03	1.077−00	1.128−10	8.435−03	0.000−00	0.000−00	0.000−00
91	114	1.002+03	1.484−00	1.340−10	8.031−03	0.000−00	0.000−00	0.000−00
91	116	9.652+02	5.933−01	6.629−11	3.551−03	5.225+02	5.839−08	1.394−01
91	118	9.175+02	4.242−00	3.212−10	1.478−02	0.000−00	0.000−00	0.000−00
91	121	8.753+02	9.018−01	8.286−11	3.309−03	1.234+04	1.134−06	2.455−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
91	122	8.549+02	3.056−01	2.009−11	7.477−04	0.000−00	0.000−00	0.000−00
91	125	6.864+02	3.487−00	1.478−10	2.845−03	0.000−00	0.000−00	0.000−00
91	129	5.154+02	7.057−02	2.248−12	1.834−05	4.543+01	1.448−09	1.845−03
91	130	4.852+02	5.799−02	1.228−12	8.352−06	0.000−00	0.000−00	0.000−00
91	134	3.931+02	7.936−00	1.103−10	3.994−04	0.000−00	0.000−00	0.000−00
92	93	1.702+04	7.362−06	4.798−13	5.639−02	9.556−01	6.227−08	1.048−00
92	94	1.246+04	2.536−05	1.180−12	5.430−02	0.000−00	0.000−00	0.000−00
92	95	9.185+03	1.096−06	2.080−14	3.840−04	1.483−01	2.813−09	2.555−02
92	96	7.562+03	4.788−06	8.210−14	8.459−04	0.000−00	0.000−00	0.000−00
92	97	6.251+03	7.627−04	2.234−12	1.300−02	1.103+02	3.230−07	1.997−00
92	98	4.183+03	2.265−03	5.940−12	1.036−02	3.339+01	8.758−08	3.623−01
92	99	3.836+03	1.369−02	4.530−11	6.092−02	7.453−01	2.466−09	9.356−03
92	100	3.204+03	5.476−04	8.426−13	6.600−04	3.146+01	4.840−08	1.534−01
92	101	3.239+03	5.259−08	1.240−16	1.004−07	5.737−00	1.353−08	4.335−02
92	102	2.398+03	3.409−03	4.409−12	1.449−03	1.189+02	1.538−07	3.647−01
92	103	2.344+03	3.303−02	1.361−11	4.176−03	2.028+01	8.353−09	1.937−02
92	104	2.082+03	4.686−02	3.046−11	6.555−03	3.438+02	2.235−07	4.604−01
92	105	1.981+03	5.936−02	1.746−11	3.236−03	6.990+01	2.057−08	4.030−02
92	106	1.991+03	2.336−03	2.776−12	5.219−04	0.000−00	0.000−00	0.000−00
92	107	1.790+03	1.798−03	1.296−12	1.772−04	5.114+01	3.686−08	6.527−02
92	108	1.529+03	1.681−02	1.178−11	1.002−03	0.000−00	0.000−00	0.000−00
92	110	1.401+03	2.308−02	6.792−12	4.449−04	2.380+02	7.002−08	9.703−02
92	112	1.204+03	5.832−01	1.268−10	5.278−03	1.063+03	2.311−07	2.753−01
92	113	1.090+03	9.489−02	2.536−11	7.829−04	5.124+02	1.370−07	1.477−01
92	114	1.012+03	6.686−03	1.539−12	3.798−05	1.132+02	2.607−08	2.609−02
92	115	9.848+02	3.084−00	2.242−10	5.102−03	2.530−01	1.839−11	1.792−05
92	116	9.743+02	8.385−01	2.386−10	5.258−03	0.000−00	0.000−00	0.000−00
92	117	9.591+02	4.170−01	5.752−11	1.209−03	2.030+03	2.799−07	2.655−01
92	118	9.257+02	6.242−03	1.203−12	2.273−05	3.219+02	6.203−08	5.679−02
92	119	8.991+02	7.428−02	9.003−12	1.559−04	1.588+01	1.924−09	1.711−03
92	120	8.974+02	2.397−01	1.447−11	2.491−04	8.625+02	5.206−08	4.621−02
92	121	8.827+02	6.130−01	1.432−10	2.346−03	0.000−00	0.000−00	0.000−00
92	122	8.620+02	4.460−02	7.452−12	1.137−04	9.352+01	1.563−08	1.332−02
92	123	8.393+02	9.926−02	1.048−11	1.477−04	1.937−00	2.045−10	1.698−04
92	124	6.944+02	1.167+01	8.434−10	6.728−03	7.766+01	5.614−09	3.855−03
92	125	6.909+02	7.782−03	8.353−13	6.564−06	2.161+02	2.320−08	1.585−02
92	126	6.730+02	1.421−00	4.824−11	3.503−04	2.591+03	8.796−08	5.855−02
92	127	5.918+02	2.222−00	1.167−10	5.760−04	8.592−02	4.511−12	2.640−06
92	128	5.248+02	6.962−00	1.437−10	4.950−04	6.040+02	1.247−08	6.473−03
92	129	5.180+02	4.167−01	3.352−11	1.110−04	0.000−00	0.000−00	0.000−00
92	130	4.874+02	5.357−00	2.862−10	7.897−04	8.283−00	4.426−10	2.134−04
92	131	4.801+02	5.701−01	1.970−11	5.192−05	8.705−01	3.008−11	1.428−05
92	132	4.398+02	8.871+01	1.286−09	2.607−03	6.814+02	9.881−09	4.298−03
92	133	4.057+02	6.232+01	1.538−09	2.447−03	3.549+02	8.758−09	3.515−03
92	134	3.946+02	5.125−03	1.795−13	2.628−07	1.238+03	4.337−08	1.693−02
93	94	4.642+04	9.367−09	4.034−15	1.442−02	2.931−03	1.262−09	8.693−02
93	95	1.995+04	2.480−08	1.480−15	4.197−04	1.068−02	6.374−10	1.886−02
93	96	1.361+04	4.911−05	1.818−12	1.636−01	3.235−00	1.197−07	2.417−00
93	97	9.879+03	4.227−05	2.062−13	7.103−03	0.000−00	0.000−00	0.000−00
93	98	5.545+03	8.078−04	2.483−12	1.513−02	1.117+01	3.432−08	2.824−01

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
93	99	4.952+03	6.033−03	2.217−11	9.621−02	7.589−02	2.789−10	2.049−03
93	100	3.946+03	6.987−03	1.087−11	2.388−02	6.664+01	1.037−07	6.072−01
93	101	4.000+03	5.473−04	1.313−12	3.001−03	1.261+01	3.025−08	1.795−01
93	102	2.792+03	3.845−03	4.492−12	3.492−03	2.017+02	2.357−07	9.760−01
93	103	2.719+03	7.998−02	2.954−11	2.121−02	0.000−00	0.000−00	0.000−00
93	104	2.373+03	7.329−04	4.124−13	1.968−04	7.526+01	4.235−08	1.491−01
93	105	2.242+03	5.635−03	1.416−12	5.703−04	0.000−00	0.000−00	0.000−00
93	106	2.254+03	3.355−03	3.409−12	1.396−03	1.208+02	1.227−07	4.104−01
93	107	2.001+03	1.132−02	6.791−12	1.944−03	2.070+01	1.242−08	3.688−02
93	108	1.680+03	1.359−01	7.665−11	1.298−02	6.798+02	3.833−07	9.552−01
93	109	1.616+03	1.123−02	7.335−12	1.107−03	0.000−00	0.000−00	0.000−00
93	110	1.527+03	3.458−01	8.054−11	1.024−02	8.626+02	2.009−07	4.551−01
93	111	1.349+03	3.862−02	1.757−11	1.543−03	0.000−00	0.000−00	0.000−00
93	112	1.296+03	3.726−02	6.255−12	4.867−04	1.260+02	2.115−08	4.067−02
93	113	1.165+03	4.253−01	8.650−11	4.885−03	1.209+03	2.459−07	4.249−01
93	114	1.076+03	1.146−01	1.989−11	8.845−04	6.240+02	1.082−07	1.727−01
93	115	1.045+03	4.245−01	2.318−11	9.460−04	0.000−00	0.000−00	0.000−00
93	116	1.033+03	3.173−01	6.774−11	2.672−03	1.312+01	2.802−09	4.296−03
93	117	1.016+03	2.891−03	2.985−13	1.120−05	1.688+03	1.742−07	2.627−01
93	118	9.789+02	1.915−00	2.752−10	9.226−03	2.616−00	3.758−10	5.459−04
93	119	9.492+02	2.783−01	2.507−11	7.661−04	5.260+02	4.737−08	6.671−02
93	120	9.473+02	1.458−02	6.539−13	1.986−05	0.000−00	0.000−00	0.000−00
93	121	9.310+02	1.213−01	2.101−11	6.057−04	2.147−03	3.719−13	5.136−07
93	122	9.080+02	5.694−01	7.037−11	1.883−03	8.624+01	1.066−08	1.436−02
93	123	8.829+02	1.044−00	8.131−11	2.000−03	4.917+02	3.830−08	5.017−02
93	124	7.239+02	4.539−01	2.378−11	3.224−04	4.727−00	2.476−10	2.659−04
93	125	7.201+02	1.470−00	1.143−10	1.525−03	2.430+02	1.889−08	2.018−02
93	126	7.007+02	1.178−03	2.889−14	3.551−07	0.000−00	0.000−00	0.000−00
93	127	6.131+02	9.096−01	3.417−11	2.814−04	6.497+02	2.441−08	2.220−02
93	128	5.415+02	4.858−01	7.119−12	4.040−05	0.000−00	0.000−00	0.000−00
93	129	5.342+02	2.865−02	1.634−12	8.906−06	3.494−00	1.993−10	1.580−04
93	130	5.018+02	3.865−03	1.459−13	6.588−07	5.362+02	2.024−08	1.507−02
93	131	4.940+02	7.436−01	1.814−11	7.813−05	4.614+01	1.125−09	8.247−04
93	132	4.515+02	6.371−00	6.490−11	2.134−04	0.000−00	0.000−00	0.000−00
93	133	4.156+02	1.036+01	1.788−10	4.588−04	1.791+01	3.092−10	1.907−04
93	134	4.040+02	3.256+01	7.967−10	1.877−03	1.733+03	4.240−08	2.541−02
94	95	3.498+04	1.306−11	1.797−18	3.665−06	5.566−01	7.659−08	5.300−00
94	96	1.925+04	1.139−06	6.326−14	2.150−02	1.426−01	7.923−09	3.017−01
94	98	6.298+03	2.453−03	7.292−12	8.679−02	0.000−00	0.000−00	0.000−00
94	99	5.543+03	8.851−04	3.057−12	2.481−02	2.549+01	8.806−08	9.656−01
94	100	4.313+03	4.365−03	6.086−12	2.326−02	0.000−00	0.000−00	0.000−00
94	101	4.377+03	7.918−05	1.706−13	6.813−04	9.550−03	2.057−11	1.781−04
94	102	2.970+03	1.100−02	1.091−11	1.363−02	1.233−01	1.223−10	7.187−04
94	104	2.500+03	2.206−02	1.034−11	7.703−03	0.000−00	0.000−00	0.000−00
94	106	2.370+03	1.135−03	9.555−13	6.057−04	7.655−01	6.443−10	3.020−03
94	107	2.091+03	5.510−04	2.709−13	1.180−04	1.322+01	6.498−09	2.688−02
94	108	1.743+03	6.277−02	2.858−11	7.207−03	8.703+01	3.962−08	1.366−01
94	109	1.675+03	4.689−04	2.464−13	5.517−05	1.525+01	8.017−09	2.656−02
94	110	1.578+03	9.219−01	1.722−10	3.227−02	0.000−00	0.000−00	0.000−00
94	111	1.390+03	2.408−03	8.717−13	1.115−04	3.227+01	1.168−08	3.211−02

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
94	112	1.333+03	6.892−03	9.183−13	1.037−04	0.000−00	0.000−00	0.000−00
94	113	1.195+03	5.451−01	8.748−11	7.109−03	9.228+02	1.481−07	3.500−01
94	114	1.101+03	8.337−02	1.137−11	7.234−04	6.584+02	8.977−08	1.955−01
94	116	1.057+03	1.851−02	3.100−12	1.744−04	4.891+01	8.192−09	1.713−02
94	117	1.039+03	4.959−02	4.014−12	2.147−04	0.000−00	0.000−00	0.000−00
94	118	1.000+03	3.613−03	4.062−13	1.936−05	2.857+03	3.212−07	6.355−01
94	119	9.690+02	2.117−00	1.490−10	6.461−03	0.000−00	0.000−00	0.000−00
94	121	9.500+02	1.005−01	1.360−11	5.556−04	7.846+02	1.062−07	1.995−01
94	122	9.261+02	1.148−03	1.107−13	4.189−06	5.657+03	5.455−07	9.994−01
94	123	9.000+02	7.314−03	4.441−13	1.542−05	0.000−00	0.000−00	0.000−00
94	124	7.354+02	3.523−02	1.428−12	2.707−05	0.000−00	0.000−00	0.000−00
94	125	7.315+02	1.705−00	1.026−10	1.913−03	5.576+02	3.355−08	4.854−02
94	127	6.213+02	3.963−02	1.147−12	1.310−05	0.000−00	0.000−00	0.000−00
94	129	5.405+02	3.508−01	1.536−11	1.155−04	5.637+01	2.468−09	2.639−03
94	130	5.073+02	3.392+01	9.815−10	6.105−03	1.239+02	3.586−09	3.599−03
94	131	4.993+02	5.779−00	1.080−10	6.406−04	0.000−00	0.000−00	0.000−00
94	133	4.194+02	5.335+01	7.034−10	2.473−03	0.000−00	0.000−00	0.000−00
94	134	4.075+02	1.034+02	1.931−09	6.229−03	2.549+02	4.761−09	3.839−03
95	96	4.280+04	7.154−11	2.620−17	7.342−05	8.476−03	3.104−09	1.971−01
95	97	1.957+04	9.011−06	1.725−13	4.621−02	0.000−00	0.000−00	0.000−00
95	98	7.680+03	3.694−04	2.178−12	3.526−02	1.055+01	6.218−08	7.085−01
95	99	6.586+03	6.658−04	4.330−12	4.422−02	3.720−00	2.419−08	2.364−01
95	100	4.919+03	3.943−03	9.537−12	4.057−02	3.903−00	9.439−09	6.889−02
95	101	5.003+03	4.414−06	1.656−14	7.410−05	1.001−00	3.755−09	2.787−02
95	102	3.246+03	1.054−02	1.665−11	2.035−02	2.172−00	3.430−09	1.652−02
95	103	3.148+03	1.424−01	7.048−11	7.855−02	0.000−00	0.000−00	0.000−00
95	104	2.693+03	1.230−02	8.917−12	6.224−03	6.751+01	4.894−08	1.955−01
95	105	2.526+03	9.361−03	2.985−12	1.720−03	0.000−00	0.000−00	0.000−00
95	106	2.542+03	4.226−04	5.457−13	3.202−04	2.001+01	2.585−08	9.746−02
95	107	2.224+03	4.941−07	3.663−16	1.440−07	1.900−01	1.409−10	4.648−04
95	108	1.834+03	1.822−02	1.225−11	2.700−03	1.192+02	8.012−08	2.180−01
95	109	1.759+03	3.546−03	2.741−12	5.331−04	0.000−00	0.000−00	0.000−00
95	110	1.653+03	2.201−03	6.012−13	9.706−05	5.227+01	1.428−08	3.502−02
95	111	1.447+03	9.538−03	4.992−12	5.408−04	0.000−00	0.000−00	0.000−00
95	112	1.386+03	6.991−01	1.342−10	1.278−02	2.582+03	4.958−07	1.020−00
95	113	1.237+03	1.511−01	3.467−11	2.345−03	2.827+02	6.485−08	1.190−01
95	114	1.137+03	8.273−02	1.603−11	8.423−04	6.442+02	1.249−07	2.106−01
95	115	1.103+03	1.202−04	7.310−15	3.507−07	0.000−00	0.000−00	0.000−00
95	116	1.090+03	5.785−01	1.374−10	6.355−03	7.864−00	1.867−09	3.019−03
95	117	1.071+03	2.052−01	2.352−11	1.032−03	3.935+02	4.511−08	7.168−02
95	118	1.030+03	3.511−02	5.579−12	2.175−04	4.094−01	6.505−11	9.935−05
95	119	9.967+02	2.911−01	2.890−11	1.022−03	4.690+03	4.657−07	6.885−01
95	120	9.945+02	1.218−00	6.019−11	2.116−03	0.000−00	0.000−00	0.000−00
95	121	9.765+02	8.330−02	1.588−11	5.284−04	5.621−01	1.071−10	1.552−04
95	122	9.513+02	4.432−02	6.013−12	1.850−04	7.407+02	1.005−07	1.418−01
95	123	9.237+02	4.277−01	3.647−11	1.027−03	1.871+01	1.596−09	2.187−03
95	124	7.512+02	3.529−00	1.990−10	3.015−03	6.938+02	3.913−08	4.361−02
95	125	7.471+02	1.652−01	1.382−11	2.060−04	2.725+02	2.281−08	2.528−02
95	126	7.262+02	8.613−02	2.270−12	3.106−05	0.000−00	0.000−00	0.000−00
95	127	6.325+02	9.004−01	3.601−11	3.257−04	6.886+01	2.754−09	2.584−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
95	128	5.566+02	1.678−00	2.598−11	1.601−04	0.000−00	0.000−00	0.000−00
95	129	5.489+02	1.584−02	9.538−13	5.638−06	4.285+01	2.581−09	2.102−03
95	130	5.148+02	1.520+01	6.040−10	2.944−03	6.788−02	2.697−12	2.059−06
95	131	5.065+02	8.394−00	2.152−10	9.998−04	2.131+02	5.466−09	4.108−03
95	132	4.619+02	3.690−02	3.935−13	1.386−06	0.000−00	0.000−00	0.000−00
95	133	4.245+02	3.480+02	6.266−09	1.713−02	8.347+02	1.503−08	9.466−03
95	134	4.124+02	2.842+01	7.245−10	1.815−03	1.006+01	2.566−10	1.570−04
96	98	9.360+03	1.733−05	1.138−13	4.447−03	0.000−00	0.000−00	0.000−00
96	99	7.784+03	3.177−05	2.164−13	4.864−03	9.187−00	6.259−08	9.638−01
96	100	5.558+03	1.554−03	3.599−12	2.944−02	0.000−00	0.000−00	0.000−00
96	101	5.665+03	2.143−04	7.731−13	6.696−03	5.156−01	1.860−09	2.085−02
96	102	3.512+03	1.514−02	2.099−11	4.333−02	1.974−00	2.737−09	1.902−02
96	104	2.874+03	1.317−03	8.154−13	9.221−04	0.000−00	0.000−00	0.000−00
96	106	2.702+03	4.663−04	5.105−13	4.799−04	2.611−00	2.858−09	1.528−02
96	107	2.346+03	1.584−04	9.799−14	6.026−05	9.832−01	6.083−10	2.822−03
96	108	1.916+03	8.283−02	4.559−11	1.528−02	1.220+02	6.716−08	2.546−01
96	109	1.834+03	5.186−03	3.270−12	9.619−04	6.848+01	4.318−08	1.567−01
96	110	1.720+03	6.634−02	1.470−11	3.562−03	0.000−00	0.000−00	0.000−00
96	111	1.498+03	3.781−03	1.590−12	2.546−04	3.839−02	1.614−11	4.782−05
96	112	1.432+03	3.424−02	5.267−12	7.378−04	0.000−00	0.000−00	0.000−00
96	113	1.274+03	2.340−01	4.269−11	4.205−03	1.115+01	2.034−09	5.125−03
96	114	1.168+03	2.349−02	3.603−12	2.736−04	2.631+03	4.036−07	9.325−01
96	116	1.118+03	7.954−02	1.491−11	9.940−04	4.489+01	8.417−09	1.862−02
96	117	1.098+03	5.759−01	5.209−11	3.290−03	0.000−00	0.000−00	0.000−00
96	118	1.055+03	2.480−00	3.103−10	1.736−02	3.964+02	4.959−08	1.035−01
96	119	1.020+03	2.624−03	2.048−13	1.037−05	0.000−00	0.000−00	0.000−00
96	121	9.993+02	1.524−01	2.281−11	1.085−03	3.355+03	5.023−07	9.929−01
96	122	9.729+02	9.477−03	1.009−12	4.426−05	2.465+03	2.623−07	5.048−01
96	123	9.441+02	4.798−01	3.206−11	1.286−03	0.000−00	0.000−00	0.000−00
96	124	7.646+02	6.607−01	2.895−11	6.167−04	0.000−00	0.000−00	0.000−00
96	125	7.604+02	4.828−02	3.139−12	6.575−05	1.213+03	7.884−08	1.186−01
96	127	6.420+02	2.244−00	6.935−11	8.744−04	0.000−00	0.000−00	0.000−00
96	129	5.561+02	2.271−01	1.053−11	8.625−05	7.283+01	3.376−09	3.714−03
96	130	5.210+02	6.424−01	1.961−11	1.321−04	3.850+01	1.175−09	1.211−03
96	131	5.126+02	7.787−01	1.534−11	9.845−05	0.000−00	0.000−00	0.000−00
96	133	4.287+02	2.407+01	3.316−10	1.245−03	0.000−00	0.000−00	0.000−00
96	134	4.164+02	3.929−00	7.660−11	2.635−04	1.795+01	3.498−10	2.881−04
97	98	1.264+04	2.656−05	1.273−12	3.063−02	2.090−00	1.001−07	6.259−01
97	99	9.927+03	6.167−05	2.733−12	3.185−02	0.000−00	0.000−00	0.000−00
97	100	6.571+03	2.199−08	2.847−16	9.622−07	1.025+01	1.327−07	4.312−01
97	101	6.720+03	3.924−06	7.971−14	2.882−04	0.000−00	0.000−00	0.000−00
97	102	3.891+03	1.899−04	1.293−12	9.073−04	0.000−00	0.000−00	0.000−00
97	103	3.751+03	0.000−00	0.000−00	0.000−00	8.601−01	1.814−09	3.365−03
97	104	3.123+03	8.596−04	2.513−12	9.116−04	5.278−01	1.543−09	2.383−03
97	105	2.900+03	0.000−00	0.000−00	0.000−00	1.242+02	1.567−07	2.248−01
97	107	2.509+03	8.810−04	2.494−12	4.692−04	0.000−00	0.000−00	0.000−00
97	110	1.806+03	2.039−03	1.993−12	1.398−04	4.793+02	4.686−07	4.184−01
97	112	1.492+03	8.827−03	5.890−12	2.329−04	3.497+01	2.333−08	1.721−02
97	113	1.320+03	1.527−02	1.198−11	3.285−04	0.000−00	0.000−00	0.000−00
97	114	1.207+03	2.279−02	1.493−11	3.129−04	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
97	115	1.169+03	0.000−00	0.000−00	0.000−00	1.490+03	3.052−07	1.764−01
97	117	1.133+03	1.794−02	6.906−12	1.196−04	2.283−01	8.787−11	4.923−05
97	118	1.087+03	9.156−04	4.862−13	7.431−06	0.000−00	0.000−00	0.000−00
97	119	1.050+03	1.247−02	4.123−12	5.688−05	1.102+03	3.642−07	1.892−01
97	120	1.048+03	0.000−00	0.000−00	0.000−00	1.090+03	1.794−07	9.296−02
97	122	9.999+02	5.851−03	2.631−12	3.133−05	0.000−00	0.000−00	0.000−00
97	123	9.695+02	8.399−01	2.367−10	2.569−03	4.873+01	1.373−08	6.584−03
97	124	7.812+02	6.296−02	1.152−11	6.542−05	1.150+01	2.103−09	8.126−04
97	125	7.768+02	3.180−02	8.629−12	4.818−05	0.000−00	0.000−00	0.000−00
97	126	7.542+02	0.000−00	0.000−00	0.000−00	3.592+02	3.062−08	1.142−02
97	127	6.537+02	1.769−00	2.267−10	7.541−04	2.428+02	3.111−08	1.006−02
97	128	5.729+02	0.000−00	0.000−00	0.000−00	2.709+03	1.333−07	3.777−02
97	130	5.287+02	1.449−00	1.821−10	3.205−04	0.000−00	0.000−00	0.000−00
97	131	5.200+02	6.609−02	5.359−12	8.976−06	2.016+02	1.634−08	4.203−03
97	132	4.731+02	0.000−00	0.000−00	0.000−00	9.998+01	3.355−09	7.849−04
97	133	4.339+02	1.256+01	7.090−10	6.899−04	8.813+01	4.974−09	1.067−03
97	134	4.212+02	8.745−01	6.979−11	6.214−05	0.000−00	0.000−00	0.000−00
98	99	4.624+04	1.995−09	9.593−16	2.260−03	1.549−01	7.447−08	3.406−00
98	100	1.368+04	3.840−06	1.078−13	6.582−03	3.340−01	9.376−09	1.269−01
98	101	1.435+04	6.534−09	3.025−16	2.129−05	4.063−03	1.881−10	2.670−03
98	102	5.621+03	6.051−04	4.300−12	1.820−02	3.596−00	2.555−08	1.421−01
98	103	5.333+03	1.970−03	4.200−12	1.518−02	4.005+01	8.538−08	4.504−01
98	104	4.147+03	3.129−03	8.067−12	1.371−02	2.133−00	5.501−09	2.256−02
98	105	3.764+03	5.045−02	5.358−11	6.808−02	2.801+01	2.975−08	1.107−01
98	106	3.799+03	4.523−04	1.957−12	2.557−03	0.000−00	0.000−00	0.000−00
98	107	3.130+03	6.635−04	1.462−12	1.068−03	7.764−00	1.711−08	5.296−02
98	108	2.409+03	1.846−04	3.213−13	1.071−04	0.000−00	0.000−00	0.000−00
98	110	2.106+03	2.303−03	1.532−12	3.413−04	2.201+02	1.464−07	3.050−01
98	112	1.691+03	2.863−01	1.228−10	1.416−02	1.578+02	6.766−08	1.132−01
98	113	1.474+03	1.054−01	5.153−11	3.936−03	1.348+01	6.593−09	9.615−03
98	114	1.335+03	9.115−03	3.651−12	2.068−04	2.501+02	1.002−07	1.322−01
98	115	1.288+03	2.028−00	2.522−10	1.284−02	3.725−00	4.633−10	5.903−04
98	116	1.270+03	3.981−02	1.926−11	9.401−04	0.000−00	0.000−00	0.000−00
98	117	1.244+03	1.375−01	3.192−11	1.466−03	2.941−00	6.830−10	8.407−04
98	118	1.189+03	3.900−02	1.239−11	4.962−04	5.851+01	1.859−08	2.186−02
98	119	1.145+03	3.668−01	7.214−11	2.582−03	1.462−01	2.875−11	3.256−05
98	120	1.142+03	6.096−01	5.964−11	2.119−03	7.421+03	7.260−07	8.204−01
98	121	1.119+03	5.726−03	2.149−12	7.169−05	0.000−00	0.000−00	0.000−00
98	122	1.086+03	5.658−03	1.500−12	4.574−05	1.468+02	3.892−08	4.180−02
98	123	1.050+03	3.651−02	6.035−12	1.665−04	9.479−00	1.567−09	1.627−03
98	124	8.326+02	2.584−00	2.686−10	3.694−03	1.143+02	1.187−08	9.779−03
98	125	8.276+02	4.601−01	7.086−11	9.570−04	4.292+01	6.610−09	5.411−03
98	126	8.020+02	2.328−01	1.123−11	1.380−04	8.397+02	4.048−08	3.212−02
98	127	6.893+02	3.795−03	2.703−13	2.109−06	1.595+03	1.136−07	7.748−02
98	128	6.001+02	7.769−01	2.097−11	1.080−04	1.671+03	4.510−08	2.677−02
98	129	5.912+02	3.599−01	3.772−11	1.857−04	0.000−00	0.000−00	0.000−00
98	130	5.517+02	2.931−03	2.007−13	8.029−07	2.986+02	2.044−08	1.115−02
98	131	5.423+02	2.791+01	1.231−09	4.676−03	3.586+01	1.581−09	8.482−04
98	132	4.915+02	1.497−01	2.711−12	7.669−06	1.203−00	2.178−11	1.059−05
98	133	4.493+02	9.627+01	2.914−09	6.297−03	1.161+02	3.514−09	1.562−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
98	134	4.358+02	3.037+01	1.297−09	2.557−03	5.440−00	2.323−10	1.001−04
99	100	1.944+04	5.706−07	2.154−14	5.653−03	1.448−01	5.467−09	1.576−01
99	101	2.080+04	3.906−07	2.535−14	8.158−03	1.443−01	9.361−09	2.889−01
99	102	6.399+03	2.667−04	1.638−12	1.534−02	1.360−00	8.349−09	7.926−02
99	103	6.028+03	2.508−03	4.555−12	3.566−02	0.000−00	0.000−00	0.000−00
99	104	4.556+03	2.974−04	6.168−13	2.084−03	1.447+01	3.002−08	2.029−01
99	105	4.098+03	5.305−02	4.452−11	1.095−01	0.000−00	0.000−00	0.000−00
99	106	4.139+03	7.598−06	2.602−14	6.593−05	1.998+01	6.842−08	4.201−01
99	107	3.357+03	2.806−03	4.741−12	6.413−03	7.789−01	1.316−09	6.557−03
99	108	2.542+03	7.793−03	1.007−11	5.906−03	3.599+02	4.648−07	1.753−00
99	109	2.400+03	8.448−03	1.216−11	6.006−03	0.000−00	0.000−00	0.000−00
99	110	2.207+03	2.631−02	1.281−11	4.922−03	2.087+02	1.016−07	3.327−01
99	111	1.855+03	8.400−03	7.221−12	1.647−03	0.000−00	0.000−00	0.000−00
99	112	1.756+03	1.531−02	4.717−12	9.121−04	9.828−00	3.028−09	7.886−03
99	113	1.523+03	5.378−01	1.870−10	2.362−02	4.180−00	1.453−09	3.284−03
99	114	1.374+03	5.862−03	1.660−12	1.539−04	7.613+02	2.155−07	4.394−01
99	115	1.325+03	3.066−00	2.690−10	2.236−02	0.000−00	0.000−00	0.000−00
99	116	1.306+03	6.101−01	2.080−10	1.656−02	9.353+01	3.189−08	6.179−02
99	117	1.279+03	1.013−00	1.656−10	1.238−02	1.085+02	1.773−08	3.364−02
99	118	1.220+03	2.237−03	4.992−13	3.241−05	7.658+02	1.709−07	3.094−01
99	119	1.174+03	6.617−03	9.120−13	5.278−05	1.863+03	2.568−07	4.474−01
99	120	1.171+03	8.812−01	6.043−11	3.471−03	0.000−00	0.000−00	0.000−00
99	121	1.146+03	5.748−02	1.510−11	8.134−04	3.320+02	8.724−08	1.484−01
99	122	1.112+03	1.960−01	3.632−11	1.784−03	6.726−02	1.247−11	2.056−05
99	123	1.074+03	4.078−01	4.706−11	2.086−03	5.071+02	5.851−08	9.327−02
99	124	8.479+02	3.854−00	2.769−10	6.032−03	3.437+02	2.469−08	3.106−02
99	125	8.427+02	4.794−04	5.104−14	1.092−06	4.130−01	4.397−11	5.497−05
99	126	8.162+02	1.281−00	4.264−11	8.285−04	0.000−00	0.000−00	0.000−00
99	127	6.997+02	2.390−00	1.169−10	1.432−03	2.639+03	1.291−07	1.341−01
99	128	6.080+02	4.011−01	7.410−12	5.952−05	0.000−00	0.000−00	0.000−00
99	129	5.988+02	5.611−02	4.022−12	3.087−05	6.111+01	4.380−09	3.892−03
99	130	5.584+02	2.722−00	1.273−10	7.918−04	1.509+02	7.054−09	5.844−03
99	131	5.487+02	6.201−00	1.866−10	1.102−03	8.719+01	2.624−09	2.136−03
99	132	4.968+02	1.920−00	2.369−11	1.038−04	0.000−00	0.000−00	0.000−00
99	133	4.537+02	2.198−00	4.522−11	1.509−04	2.028+02	4.173−09	2.809−03
99	134	4.399+02	1.365+02	3.959−09	1.204−02	5.767+02	1.673−08	1.092−02
100	102	9.540+03	1.531−04	3.133−12	6.482−02	4.972−00	1.018−07	9.604−01
100	103	8.739+03	7.623−05	4.364−13	6.939−03	6.645−02	3.804−10	3.288−03
100	104	5.950+03	1.798−03	9.543−12	4.790−02	1.146+01	6.085−08	3.581−01
100	105	5.192+03	1.871−03	3.782−12	1.261−02	1.690+01	3.414−08	1.754−01
100	106	5.259+03	4.938−05	4.095−13	1.419−03	0.000−00	0.000−00	0.000−00
100	107	4.058+03	1.234−03	4.571−12	7.280−03	4.432−02	1.642−10	6.590−04
100	108	2.924+03	6.535−05	1.675−13	9.981−05	0.000−00	0.000−00	0.000−00
100	110	2.490+03	3.588−02	3.335−11	1.226−02	5.047+01	4.691−08	1.155−01
100	112	1.930+03	2.039−02	1.138−11	1.949−03	6.667+01	3.723−08	7.106−02
100	113	1.652+03	1.452−02	8.914−12	9.584−04	3.475−00	2.134−09	3.488−03
100	114	1.479+03	6.008−02	2.955−11	2.276−03	1.677−01	8.246−11	1.206−04
100	115	1.422+03	1.080−00	1.637−10	1.121−02	8.222+02	1.246−07	1.753−01
100	116	1.400+03	1.991−01	1.170−10	7.651−03	0.000−00	0.000−00	0.000−00
100	117	1.369+03	1.999−01	5.618−11	3.434−03	5.407+02	1.519−07	2.057−01

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
100	118	1.302+03	9.015−02	3.436−11	1.807−03	1.068+02	4.069−08	5.240−02
100	119	1.250+03	8.322−02	1.949−11	9.066−04	2.332+03	5.461−07	6.751−01
100	120	1.246+03	3.936−01	4.584−11	2.115−03	4.804+02	5.595−08	6.899−02
100	121	1.218+03	3.821−02	1.701−11	7.329−04	0.000−00	0.000−00	0.000−00
100	122	1.179+03	1.976−02	6.181−12	2.415−04	2.195+02	6.864−08	8.007−02
100	123	1.137+03	1.190−00	2.307−10	8.086−03	4.343+01	8.423−09	9.474−03
100	124	8.866+02	3.054−04	3.599−14	5.975−07	1.094+02	1.289−08	1.130−02
100	125	8.809+02	6.309−01	1.101−10	1.793−03	1.042+01	1.818−09	1.584−03
100	126	8.519+02	4.455−00	2.423−10	3.570−03	1.629+03	8.864−08	7.469−02
100	127	7.259+02	4.031−00	3.184−10	2.901−03	1.537+02	1.214−08	8.719−03
100	128	6.276+02	4.698−02	1.387−12	8.172−06	8.120+02	2.398−08	1.488−02
100	129	6.179+02	1.372−00	1.570−10	8.826−04	0.000−00	0.000−00	0.000−00
100	130	5.749+02	2.370−01	1.761−11	7.975−05	1.239+03	9.212−08	5.238−02
100	131	5.647+02	4.867−00	2.327−10	9.981−04	6.646+02	3.177−08	1.774−02
100	132	5.098+02	9.800+01	1.909−09	6.027−03	6.174−02	1.203−12	6.066−07
100	133	4.646+02	3.151+01	1.019−09	2.435−03	7.470+01	2.417−09	1.111−03
100	134	4.501+02	6.869+01	3.129−09	6.798−03	3.328+02	1.516−08	6.749−03
101	102	9.242+03	1.014−06	1.298−14	3.662−04	4.643−00	5.946−08	8.153−01
101	103	8.488+03	5.794−07	2.086−15	4.559−05	0.000−00	0.000−00	0.000−00
101	104	5.833+03	2.869−04	9.756−13	6.919−03	2.325−00	7.907−09	6.842−02
101	105	5.103+03	8.648−04	1.125−12	5.343−03	0.000−00	0.000−00	0.000−00
101	106	5.167+03	4.432−03	2.365−11	1.166−01	1.114+02	5.944−07	4.557−00
101	107	4.004+03	2.471−02	5.938−11	1.362−01	2.071+01	4.977−08	2.956−01
101	108	2.896+03	1.124−05	1.883−14	1.634−05	9.406−02	1.576−10	6.772−04
101	109	2.713+03	6.522−04	1.199−12	8.558−04	0.000−00	0.000−00	0.000−00
101	110	2.469+03	8.209−03	5.001−12	2.690−03	1.197−00	7.291−10	2.671−03
101	111	2.036+03	1.432−02	1.483−11	4.477−03	0.000−00	0.000−00	0.000−00
101	112	1.917+03	8.351−05	3.069−14	7.730−06	2.020+01	7.424−09	2.112−02
101	113	1.643+03	2.612−02	1.058−11	1.677−03	5.860−00	2.373−09	5.785−03
101	114	1.471+03	2.081−01	6.755−11	7.690−03	2.946+01	9.561−09	2.087−02
101	115	1.415+03	8.130−01	8.136−11	8.240−03	0.000−00	0.000−00	0.000−00
101	116	1.394+03	8.761−03	3.401−12	3.288−04	2.719+01	1.055−08	2.182−02
101	117	1.363+03	3.513−02	6.520−12	5.897−04	1.067+02	1.980−08	4.003−02
101	118	1.296+03	3.572−01	8.997−11	7.002−03	2.949+02	7.427−08	1.428−01
101	119	1.245+03	9.718−00	1.505−09	1.037−01	4.301+01	6.658−09	1.229−02
101	120	1.241+03	1.898+01	1.462−09	9.990−02	0.000−00	0.000−00	0.000−00
101	121	1.213+03	1.459−01	4.292−11	2.740−03	1.347+02	3.965−08	7.138−02
101	122	1.175+03	9.030−01	1.868−10	1.082−02	2.086+02	4.314−08	7.518−02
101	123	1.133+03	9.374−01	1.203−10	6.250−03	2.019+01	2.590−09	4.353−03
101	124	8.839+02	8.777−00	6.853−10	1.691−02	3.074+02	2.401−08	3.148−02
101	125	8.783+02	9.027−01	1.044−10	2.527−03	9.093−00	1.052−09	1.370−03
101	126	8.495+02	3.203−01	1.155−11	2.530−04	0.000−00	0.000−00	0.000−00
101	127	7.241+02	3.272−00	1.714−10	2.326−03	5.719+01	2.997−09	3.219−03
101	128	6.263+02	2.056+01	4.029−10	3.538−03	0.000−00	0.000−00	0.000−00
101	129	6.166+02	2.128+01	1.617−09	1.355−02	3.107+02	2.361−08	2.160−02
101	130	5.738+02	2.389−00	1.179−10	7.960−04	4.878+01	2.408−09	2.050−03
101	131	5.636+02	9.993+01	3.173−09	2.030−02	6.973+01	2.214−09	1.851−03
101	132	5.089+02	1.118+02	1.447−09	6.817−03	0.000−00	0.000−00	0.000−00
101	133	4.638+02	2.905+01	6.245−10	2.227−03	2.773+02	5.962−09	4.103−03
101	134	4.494+02	2.373−02	7.185−13	2.330−06	2.242+02	6.790−09	4.527−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
102	103	1.040+05	2.033−10	1.100−16	4.426−03	0.000−00	0.000−00	0.000−00
102	104	1.581+04	9.340−06	2.334−13	3.299−02	1.771−00	4.426−08	1.038−00
102	105	1.139+04	3.673−05	2.383−13	1.259−02	0.000−00	0.000−00	0.000−00
102	106	1.172+04	2.899−05	7.958−13	4.576−02	1.712−05	4.699−13	8.169−06
102	107	7.063+03	2.825−06	2.113−14	2.661−04	2.164−00	1.619−08	1.696−01
102	108	4.217+03	5.124−03	1.821−11	4.879−02	1.329+02	4.722−07	2.954−00
102	109	3.840+03	2.566−03	9.453−12	1.913−02	0.000−00	0.000−00	0.000−00
102	110	3.369+03	1.291−02	1.465−11	2.002−02	5.271−00	5.980−09	2.989−02
102	111	2.612+03	1.228−02	2.094−11	1.333−02	0.000−00	0.000−00	0.000−00
102	112	2.419+03	7.786−03	4.555−12	2.305−03	1.172+01	6.854−09	2.460−02
102	113	1.999+03	1.321−02	7.915−12	2.259−03	1.786+02	1.070−07	3.172−01
102	114	1.750+03	5.642−02	2.591−11	4.962−03	4.452−00	2.044−09	5.308−03
102	115	1.671+03	1.889−00	2.635−10	4.394−02	0.000−00	0.000−00	0.000−00
102	116	1.641+03	1.559−02	8.389−12	1.325−03	8.309+01	4.472−08	1.089−01
102	117	1.598+03	1.355−00	3.460−10	5.050−02	5.198+02	1.327−07	3.147−01
102	118	1.508+03	7.806−02	2.660−11	3.257−03	1.124+03	3.829−07	8.564−01
102	119	1.438+03	5.017−01	1.037−10	1.103−02	2.944+02	6.088−08	1.299−01
102	120	1.434+03	3.891−01	3.998−11	4.212−03	0.000−00	0.000−00	0.000−00
102	121	1.397+03	2.194−01	8.556−11	8.332−03	1.148+02	4.478−08	9.280−02
102	122	1.346+03	2.043−00	5.546−10	4.829−02	2.911+02	7.902−08	1.577−01
102	123	1.291+03	8.375−01	1.395−10	1.074−02	3.032+01	5.053−09	9.680−03
102	124	9.774+02	3.822−01	3.649−11	1.218−03	3.525+02	3.365−08	4.880−02
102	125	9.705+02	1.638−01	2.313−11	7.557−04	6.509+01	9.191−09	1.323−02
102	126	9.355+02	3.951−01	1.728−11	5.054−04	0.000−00	0.000−00	0.000−00
102	127	7.856+02	3.602−00	2.222−10	3.851−03	9.797+01	6.044−09	7.044−03
102	128	6.718+02	1.438−00	3.244−11	3.515−04	0.000−00	0.000−00	0.000−00
102	129	6.607+02	8.582−01	7.488−11	7.716−04	6.204+01	5.413−09	5.306−03
102	130	6.118+02	3.629−01	2.036−11	1.666−04	3.310+02	1.857−08	1.685−02
102	131	6.002+02	1.449−00	5.217−11	4.031−04	1.776+02	6.395−09	5.695−03
102	132	5.386+02	1.758+01	2.549−10	1.423−03	0.000−00	0.000−00	0.000−00
102	133	4.883+02	3.998+01	9.529−10	3.966−03	5.232+02	1.247−08	9.035−03
102	134	4.724+02	5.713−00	1.911−10	7.199−04	9.040+02	3.024−08	2.119−02
103	104	1.865+04	5.077−06	5.293−13	4.088−02	7.277−02	7.587−09	6.997−02
103	105	1.280+04	0.000−00	0.000−00	0.000−00	1.319−00	3.237−08	2.048−01
103	107	7.578+03	5.580−06	1.441−13	7.469−04	0.000−00	0.000−00	0.000−00
103	110	3.482+03	2.757−02	1.002−10	5.040−02	2.703+02	9.824−07	1.692−00
103	112	2.477+03	1.828−03	3.363−12	6.087−04	1.668+01	3.069−08	3.759−02
103	113	2.038+03	1.708−06	3.190−15	3.217−07	0.000−00	0.000−00	0.000−00
103	114	1.780+03	6.402−02	9.123−11	6.129−03	0.000−00	0.000−00	0.000−00
103	115	1.698+03	0.000−00	0.000−00	0.000−00	2.214+01	9.572−09	8.039−03
103	117	1.623+03	4.123−01	3.258−10	1.660−02	5.992+02	4.734−07	3.801−01
103	118	1.530+03	3.104−02	3.268−11	1.394−03	0.000−00	0.000−00	0.000−00
103	119	1.458+03	3.302−02	2.106−11	7.782−04	1.528+02	9.742−08	7.027−02
103	120	1.454+03	0.000−00	0.000−00	0.000−00	2.679+02	8.490−08	6.105−02
103	122	1.363+03	2.217−01	1.853−10	5.593−03	0.000−00	0.000−00	0.000−00
103	123	1.308+03	3.146−01	1.613−10	4.293−03	7.285−00	3.734−09	2.414−03
103	124	9.867+02	2.311−02	6.746−12	7.719−05	1.273+02	3.717−08	1.814−02
103	125	9.796+02	5.807−01	2.506−10	2.807−03	0.000−00	0.000−00	0.000−00
103	126	9.440+02	0.000−00	0.000−00	0.000−00	1.436+03	1.918−07	8.954−02
103	127	7.916+02	2.941−00	5.526−10	3.265−03	3.471+01	6.522−09	2.553−03

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
103	128	6.762+02	0.000−00	0.000−00	0.000−00	4.898+02	3.358−08	1.123−02
103	130	6.154+02	1.000−00	1.704−10	4.730−04	0.000−00	0.000−00	0.000−00
103	131	6.037+02	1.067−00	1.166−10	3.055−04	5.846+01	6.388−09	1.907−03
103	132	5.414+02	0.000−00	0.000−00	0.000−00	3.253−04	1.430−14	3.827−09
103	133	4.906+02	3.426−00	2.473−10	3.480−04	1.044+02	7.534−09	1.828−03
103	134	4.745+02	2.488+01	2.520−09	3.207−03	0.000−00	0.000−00	0.000−00
104	105	4.077+04	9.112−11	1.135−17	1.833−05	2.479−02	3.088−09	1.245−01
104	106	4.525+04	1.291−09	7.925−16	1.750−03	0.000−00	0.000−00	0.000−00
104	107	1.276+04	3.082−07	1.129−14	5.595−04	1.454−00	5.328−08	6.726−01
104	108	5.750+03	1.742−04	1.727−12	7.821−03	0.000−00	0.000−00	0.000−00
104	110	4.281+03	4.678−06	1.285−14	2.403−05	4.342−00	1.193−08	5.052−02
104	112	2.856+03	2.556−03	3.126−12	1.736−03	5.377−00	6.576−09	1.858−02
104	113	2.288+03	1.019−02	1.200−11	3.424−03	8.335−01	9.812−10	2.221−03
104	114	1.968+03	9.902−03	8.623−12	1.565−03	9.325+01	8.120−08	1.580−01
104	115	1.868+03	1.069−00	2.799−10	4.349−02	4.164+01	1.090−08	2.014−02
104	116	1.831+03	4.105−02	4.126−11	6.032−03	0.000−00	0.000−00	0.000−00
104	117	1.778+03	4.146−02	1.965−11	2.632−03	2.461+02	1.166−07	2.052−01
104	118	1.666+03	3.411−01	2.130−10	2.349−02	4.926+02	3.077−07	5.072−01
104	119	1.582+03	5.275−02	1.980−11	1.868−03	5.346+01	2.006−08	3.140−02
104	120	1.577+03	4.664−01	8.693−11	8.120−03	3.023+02	5.634−08	8.787−02
104	121	1.532+03	1.323−02	9.312−12	7.979−04	0.000−00	0.000−00	0.000−00
104	122	1.471+03	3.874−01	1.885−10	1.429−02	3.122−02	1.519−11	2.209−05
104	123	1.406+03	1.255−01	3.719−11	2.463−03	3.488−00	1.034−09	1.438−03
104	124	1.042+03	1.673−00	2.722−10	7.333−03	1.195+02	1.944−08	2.003−02
104	125	1.034+03	1.668−01	4.010−11	1.056−03	5.356+02	1.288−07	1.317−01
104	126	9.943+02	6.466−01	4.792−11	1.122−03	5.813+02	4.308−08	4.236−02
104	127	8.267+02	1.510+01	1.547−09	2.082−02	5.217+02	5.346−08	4.371−02
104	128	7.016+02	1.639+01	6.050−10	4.979−03	3.714+01	1.371−09	9.513−04
104	129	6.895+02	1.498−01	2.136−11	1.668−04	0.000−00	0.000−00	0.000−00
104	130	6.364+02	2.267−01	2.064−11	1.268−04	8.486+01	7.729−09	4.865−03
104	131	6.239+02	3.127+01	1.825−09	1.056−02	6.286+01	3.668−09	2.264−03
104	132	5.576+02	1.129+02	2.631−09	1.087−02	2.478+02	5.775−09	3.185−03
104	133	5.039+02	3.625−00	1.380−10	4.207−04	7.549+01	2.874−09	1.432−03
104	134	4.869+02	8.931+01	4.762−09	1.310−02	1.625+02	8.665−09	4.173−03
105	107	1.858+04	3.926−09	6.098−16	4.662−05	0.000−00	0.000−00	0.000−00
105	110	4.784+03	6.668−04	4.575−12	5.965−03	4.743+01	3.254−07	7.698−01
105	112	3.072+03	4.593−03	1.299−11	4.484−03	9.114−01	2.578−09	3.916−03
105	113	2.424+03	1.684−02	4.451−11	7.552−03	0.000−00	0.000−00	0.000−00
105	114	2.068+03	1.022−02	1.965−11	2.069−03	0.000−00	0.000−00	0.000−00
105	115	1.958+03	0.000−00	0.000−00	0.000−00	2.753+02	1.582−07	1.532−01
105	117	1.859+03	2.444−02	2.533−11	1.939−03	4.022+02	4.168−07	3.833−01
105	118	1.738+03	8.848−03	1.201−11	7.508−04	0.000−00	0.000−00	0.000−00
105	119	1.646+03	3.419−04	2.778−13	1.476−05	1.118+02	9.084−08	7.395−02
105	120	1.640+03	0.000−00	0.000−00	0.000−00	3.320+02	1.339−07	1.086−01
105	122	1.526+03	1.551−02	1.624−11	6.873−04	0.000−00	0.000−00	0.000−00
105	123	1.456+03	8.039−02	5.112−11	1.881−03	1.351+01	8.590−09	6.186−03
105	124	1.069+03	1.800−01	6.170−11	8.981−04	2.942+01	1.008−08	5.331−03
105	125	1.061+03	4.297−03	2.175−12	3.093−05	0.000−00	0.000−00	0.000−00
105	126	1.019+03	0.000−00	0.000−00	0.000−00	2.419+01	3.767−09	1.898−03
105	127	8.438+02	7.473−03	1.596−12	1.142−05	9.155+02	1.954−07	8.156−02

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
105	128	7.139+02	0.000−00	0.000−00	0.000−00	4.193+02	3.204−08	1.131−02
105	130	6.465+02	5.045−00	9.483−10	3.052−03	0.000−00	0.000−00	0.000−00
105	131	6.336+02	1.786−00	2.150−10	6.513−04	6.658+02	8.014−08	2.511−02
105	132	5.653+02	0.000−00	0.000−00	0.000−00	3.035+03	1.454−07	4.066−02
105	133	5.102+02	2.984+01	2.329−09	3.685−03	1.530+01	1.194−09	3.014−04
105	134	4.928+02	2.105+01	2.300−09	3.278−03	0.000−00	0.000−00	0.000−00
106	107	1.778+04	4.319−07	1.535−14	4.111−03	1.817−00	6.457−08	2.271−00
106	108	6.587+03	2.296−04	1.493−12	2.033−02	5.793−01	3.768−09	4.910−02
106	109	5.712+03	3.013−03	1.842−11	1.636−01	9.743+01	5.957−07	6.731−00
106	110	4.728+03	3.914−04	6.560−13	3.305−03	0.000−00	0.000−00	0.000−00
106	111	3.361+03	9.313−04	1.971−12	3.567−03	7.879−00	1.668−08	1.109−01
106	112	3.049+03	4.086−02	2.847−11	3.844−02	0.000−00	0.000−00	0.000−00
106	113	2.410+03	1.162−02	7.585−12	5.057−03	1.271−00	8.301−10	3.957−03
106	114	2.057+03	7.775−02	3.700−11	1.535−02	1.054−01	5.016−11	2.041−04
106	116	1.908+03	1.451−02	7.918−12	2.621−03	1.159−00	6.325−10	2.387−03
106	117	1.851+03	8.312−02	2.134−11	6.448−03	0.000−00	0.000−00	0.000−00
106	118	1.730+03	6.058−01	2.039−10	5.033−02	2.495−00	8.399−10	2.875−03
106	119	1.640+03	3.218−00	6.484−10	1.362−01	0.000−00	0.000−00	0.000−00
106	121	1.586+03	5.034−01	1.898−10	3.606−02	2.393+01	9.021−09	2.830−02
106	122	1.520+03	2.281−00	5.927−10	9.923−02	2.521−00	6.551−10	1.970−03
106	123	1.451+03	3.255−01	5.137−11	7.480−03	0.000−00	0.000−00	0.000−00
106	124	1.066+03	4.251−01	3.623−11	2.093−03	0.000−00	0.000−00	0.000−00
106	125	1.058+03	2.356−01	2.966−11	1.674−03	6.759+01	8.508−09	1.781−02
106	127	8.421+02	1.765+01	9.380−10	2.669−02	0.000−00	0.000−00	0.000−00
106	129	7.001+02	9.019−01	6.628−11	1.084−03	3.721+01	2.735−09	3.788−03
106	130	6.455+02	7.597−01	3.559−11	4.560−04	2.346+02	1.099−08	1.403−02
106	131	6.326+02	3.828+01	1.148−09	1.386−02	0.000−00	0.000−00	0.000−00
106	133	5.096+02	1.221+02	2.376−09	1.498−02	0.000−00	0.000−00	0.000−00
106	134	4.922+02	4.455−01	1.214−11	6.897−05	2.419+01	6.591−10	6.418−04
107	108	1.046+04	4.585−05	1.003−12	4.106−02	6.540−01	1.431−08	2.221−01
107	109	8.415+03	4.370−05	7.732−13	1.647−02	0.000−00	0.000−00	0.000−00
107	110	6.442+03	1.067−06	4.423−15	4.226−05	4.878−00	2.023−08	1.933−01
107	111	4.144+03	1.520−04	6.526−13	1.660−03	0.000−00	0.000−00	0.000−00
107	112	3.680+03	1.952−03	2.641−12	4.703−03	3.056−00	4.136−09	2.258−02
107	113	2.788+03	1.208−03	1.407−12	1.090−03	4.350−00	5.068−09	2.096−02
107	114	2.326+03	1.123−03	9.115−13	4.102−04	9.572+01	7.767−08	2.681−01
107	115	2.189+03	3.512−02	8.409−12	3.151−03	0.000−00	0.000−00	0.000−00
107	116	2.137+03	3.787−02	3.458−11	1.207−02	1.082−02	9.883−12	3.134−05
107	117	2.066+03	2.224−01	9.486−11	2.989−02	1.132−02	4.827−12	1.480−05
107	118	1.917+03	1.004−01	5.531−11	1.392−02	4.802+01	2.645−08	7.522−02
107	119	1.806+03	2.399−01	7.822−11	1.647−02	7.388+01	2.409−08	6.454−02
107	120	1.799+03	1.290−00	2.086−10	4.341−02	0.000−00	0.000−00	0.000−00
107	121	1.741+03	2.208−02	1.338−11	2.523−03	1.076+01	6.519−09	1.684−02
107	122	1.662+03	2.705−02	1.121−11	1.840−03	8.032+01	3.328−08	8.207−02
107	123	1.580+03	1.670−01	4.167−11	5.875−03	3.428+01	8.553−09	2.005−02
107	124	1.134+03	1.187−00	1.526−10	7.961−03	3.574+02	4.596−08	7.736−02
107	125	1.125+03	3.025−00	5.741−10	2.922−02	5.751−00	1.091−09	1.822−03
107	126	1.078+03	6.856−00	3.983−10	1.785−02	0.000−00	0.000−00	0.000−00
107	127	8.840+02	2.813−00	2.197−10	5.424−03	1.296+02	1.012−08	1.327−02
107	128	7.425+02	8.786−00	2.420−10	3.540−03	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
107	129	7.288+02	1.562+01	1.658−09	2.295−02	6.049+01	6.423−09	6.945−03
107	130	6.698+02	8.364−01	5.625−11	6.041−04	5.151+01	3.464−09	3.443−03
107	131	6.560+02	8.572+01	3.686−09	3.718−02	1.704+02	7.329−09	7.132−03
107	132	5.831+02	2.206+02	3.748−09	2.655−02	0.000−00	0.000−00	0.000−00
107	133	5.246+02	2.230+02	6.135−09	3.165−02	3.336+02	9.177−09	7.143−03
107	134	5.062+02	2.982+01	1.146−09	5.312−03	8.174+01	3.140−09	2.358−03
108	109	4.301+04	6.965−08	2.414−14	9.150−02	3.660−02	1.268−08	1.079−00
108	110	1.676+04	6.446−06	1.357−13	3.046−02	0.000−00	0.000−00	0.000−00
108	111	6.863+03	3.971−05	3.505−13	5.399−03	5.482−02	4.838−10	6.569−03
108	112	5.676+03	4.475−06	1.081−14	9.418−05	0.000−00	0.000−00	0.000−00
108	113	3.800+03	4.881−04	7.926−13	2.072−03	1.542−00	2.504−09	1.883−02
108	114	2.992+03	6.062−02	6.100−11	7.784−02	1.355−00	1.364−09	8.071−03
108	116	2.686+03	5.793−05	6.267−14	5.788−05	1.442−00	1.560−09	8.291−03
108	117	2.574+03	5.982−01	2.972−10	2.415−01	0.000−00	0.000−00	0.000−00
108	118	2.347+03	6.576−03	4.072−12	2.507−03	6.177+01	3.825−08	1.776−01
108	119	2.183+03	9.451−02	3.376−11	1.673−02	0.000−00	0.000−00	0.000−00
108	121	2.089+03	1.814−02	1.186−11	5.150−03	7.929−01	5.185−10	2.142−03
108	122	1.976+03	2.732−01	1.200−10	4.414−02	4.007+01	1.760−08	6.882−02
108	123	1.861+03	3.371−03	8.754−13	2.689−04	0.000−00	0.000−00	0.000−00
108	124	1.272+03	1.143−03	1.387−13	1.361−05	0.000−00	0.000−00	0.000−00
108	125	1.261+03	6.075−02	1.086−11	1.036−03	4.658+02	8.323−08	2.076−01
108	127	9.655+02	7.566−00	5.288−10	2.268−02	0.000−00	0.000−00	0.000−00
108	129	7.834+02	1.240−01	1.141−11	2.615−04	2.574+01	2.369−09	3.671−03
108	130	7.156+02	1.909+01	1.099−09	1.919−02	2.048+03	1.179−07	1.669−01
108	131	6.998+02	1.277−00	4.689−11	7.659−04	0.000−00	0.000−00	0.000−00
108	133	5.523+02	2.304−00	5.269−11	4.230−04	0.000−00	0.000−00	0.000−00
108	134	5.320+02	1.920+01	6.109−10	4.382−03	5.420+02	1.725−08	1.815−02
109	111	8.166+03	5.987−08	5.985−16	1.941−05	1.260−01	1.260−09	2.544−02
109	113	4.168+03	7.782−03	1.216−11	5.247−02	0.000−00	0.000−00	0.000−00
109	114	3.215+03	4.578−02	4.258−11	8.431−02	0.000−00	0.000−00	0.000−00
109	116	2.865+03	1.043−02	1.027−11	1.438−02	6.859−01	6.753−10	4.785−03
109	118	2.482+03	7.597−02	4.210−11	3.835−02	0.000−00	0.000−00	0.000−00
109	121	2.195+03	6.088−02	3.519−11	2.217−02	3.365+01	1.945−08	1.056−01
109	122	2.072+03	6.963−01	2.688−10	1.423−01	0.000−00	0.000−00	0.000−00
109	125	1.299+03	9.802−02	1.487−11	1.940−03	0.000−00	0.000−00	0.000−00
109	129	7.980+02	2.306−01	1.761−11	5.328−04	5.881+02	4.491−08	8.861−02
109	130	7.277+02	4.406+01	2.099−09	4.817−02	0.000−00	0.000−00	0.000−00
109	134	5.386+02	2.518+02	6.571−09	6.116−02	0.000−00	0.000−00	0.000−00
110	112	8.582+03	3.326−06	3.672−14	5.531−04	9.524−01	1.052−08	8.927−02
110	113	4.914+03	3.207−05	1.742−13	4.924−04	1.455−01	7.903−10	3.841−03
110	114	3.642+03	9.318−03	2.779−11	3.198−02	1.897+02	5.658−07	2.038−00
110	115	3.315+03	1.094−02	9.010−12	7.822−03	2.517+01	2.074−08	6.801−02
110	116	3.199+03	1.981−04	6.078−13	4.740−04	0.000−00	0.000−00	0.000−00
110	117	3.041+03	7.700−02	1.068−10	7.156−02	5.137−00	7.123−09	2.143−02
110	118	2.729+03	5.241−03	8.776−12	4.248−03	1.696+02	2.840−07	7.664−01
110	119	2.510+03	3.872−03	3.657−12	1.377−03	4.461+01	4.212−08	1.046−01
110	120	2.496+03	3.202−02	1.496−11	5.544−03	1.132+02	5.290−08	1.306−01
110	121	2.386+03	2.860−03	4.882−12	1.580−03	0.000−00	0.000−00	0.000−00
110	122	2.241+03	2.836−02	3.202−11	8.581−03	6.204+01	7.004−08	1.552−01
110	123	2.094+03	6.278−07	4.126−16	9.021−08	1.022+01	6.717−09	1.391−02

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
110	124	1.377+03	1.179−00	3.352−10	2.084−02	8.729+01	2.481−08	3.378−02
110	125	1.363+03	3.267−01	1.365−10	8.238−03	5.578+02	2.331−07	3.143−01
110	126	1.295+03	8.133−02	1.022−11	5.291−04	1.225+03	1.540−07	1.973−01
110	127	1.025+03	1.365−00	2.148−10	5.504−03	9.486−00	1.493−09	1.513−03
110	128	8.392+02	2.803−00	1.479−10	2.083−03	6.912+02	3.649−08	3.028−02
110	129	8.218+02	1.000−00	2.026−10	2.679−03	0.000−00	0.000−00	0.000−00
110	130	7.475+02	1.978−00	2.486−10	2.474−03	1.824+02	2.292−08	1.695−02
110	131	7.303+02	4.863−00	3.888−10	3.609−03	8.090−02	6.469−12	4.673−06
110	132	6.411+02	5.952+01	1.834−09	1.151−02	3.489+02	1.075−08	6.816−03
110	133	5.711+02	1.491+01	7.289−10	3.235−03	3.520−00	1.721−10	9.724−05
110	134	5.494+02	2.419−01	1.642−11	6.487−05	2.316−00	1.572−10	8.543−05
111	113	8.515+03	8.389−04	5.471−12	2.012−01	0.000−00	0.000−00	0.000−00
111	114	5.304+03	4.000−03	1.012−11	8.994−02	0.000−00	0.000−00	0.000−00
111	116	4.414+03	2.115−02	4.942−11	2.531−01	6.441+01	1.505−07	1.643−00
111	118	3.566+03	4.112−02	4.704−11	1.271−01	0.000−00	0.000−00	0.000−00
111	121	3.002+03	1.246−02	1.347−11	2.171−02	1.703+01	1.841−08	1.366−01
111	122	2.776+03	1.206−01	8.359−11	1.065−01	0.000−00	0.000−00	0.000−00
111	125	1.544+03	9.008−03	1.932−12	4.239−04	0.000−00	0.000−00	0.000−00
111	129	8.844+02	5.634−00	5.285−10	2.177−02	1.229+04	1.152−06	2.520−00
111	130	7.989+02	4.121+01	2.366−09	7.185−02	0.000−00	0.000−00	0.000−00
111	134	5.767+02	1.203+01	3.598−10	4.109−03	0.000−00	0.000−00	0.000−00
112	113	1.150+04	1.565−05	4.652−13	1.685−02	7.621−00	2.266−07	2.576−00
112	114	6.326+03	5.327−05	4.794−13	2.892−03	1.684+01	1.516−07	9.484−01
112	115	5.402+03	8.290−03	1.814−11	6.812−02	4.539−00	9.930−09	5.306−02
112	116	5.100+03	8.030−04	6.262−12	1.979−02	0.000−00	0.000−00	0.000−00
112	117	4.710+03	2.948−04	9.807−13	2.442−03	5.743−01	1.910−09	8.900−03
112	118	4.001+03	5.206−03	1.874−11	2.859−02	4.753−00	1.711−08	6.771−02
112	119	3.547+03	2.631−02	4.963−11	5.277−02	1.571+02	2.963−07	1.040−00
112	120	3.520+03	4.134−03	3.840−12	3.990−03	1.232+02	1.145−07	3.986−01
112	121	3.305+03	4.863−03	1.592−11	1.369−02	0.000−00	0.000−00	0.000−00
112	122	3.032+03	2.311−02	4.779−11	3.174−02	7.669+01	1.586−07	4.756−01
112	123	2.769+03	8.625−03	9.915−12	5.017−03	1.843−00	2.118−09	5.802−03
112	124	1.640+03	2.577−01	1.039−10	1.092−02	4.460+01	1.798−08	2.916−02
112	125	1.621+03	1.368−01	8.077−11	8.191−03	6.570+01	3.880−08	6.219−02
112	126	1.525+03	2.475−01	4.315−11	3.647−03	1.293+01	2.254−09	3.401−03
112	127	1.164+03	3.018−02	6.125−12	2.298−04	4.247+01	8.618−09	9.917−03
112	128	9.301+02	3.001−01	1.946−11	3.731−04	1.549−00	1.004−10	9.240−05
112	129	9.088+02	8.614−01	2.134−10	3.816−03	0.000−00	0.000−00	0.000−00
112	130	8.188+02	1.059−00	1.597−10	2.089−03	8.971+02	1.353−07	1.095−01
112	131	7.982+02	3.298−00	3.151−10	3.818−03	1.409+02	1.346−08	1.063−02
112	132	6.928+02	6.536−00	2.352−10	1.863−03	2.958+02	1.065−08	7.295−03
112	133	6.118+02	4.391−00	2.465−10	1.345−03	3.287+01	1.845−09	1.117−03
112	134	5.870+02	3.768−00	2.920−10	1.407−03	4.314+02	3.342−08	1.940−02
113	114	1.406+04	2.159−07	6.404−15	6.368−04	4.368−01	1.295−08	2.703−01
113	115	1.019+04	4.594−04	2.384−12	9.013−02	0.000−00	0.000−00	0.000−00
113	116	9.165+03	6.723−06	1.129−13	3.105−03	4.879−05	8.191−13	1.114−05
113	117	7.980+03	4.416−05	2.811−13	5.103−03	3.933−00	2.503−08	2.963−01
113	118	6.136+03	2.232−04	1.260−12	1.040−02	9.628−00	5.435−08	4.947−01
113	119	5.129+03	3.285−05	8.639−14	4.167−04	2.707−00	7.119−09	5.418−02
113	120	5.074+03	3.797−03	4.885−12	2.280−02	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
113	121	4.638+03	3.498−03	1.504−11	5.360−02	5.018+01	2.157−07	1.484−00
113	122	4.118+03	4.647−03	1.182−11	2.950−02	3.508+01	8.920−08	5.450−01
113	123	3.648+03	9.408−05	1.251−13	2.170−04	9.395−00	1.249−08	6.762−02
113	124	1.913+03	1.007−01	3.681−11	9.205−03	1.168+01	4.272−09	1.212−02
113	125	1.886+03	1.295−01	6.908−11	1.657−02	2.128+02	1.135−07	3.177−01
113	126	1.758+03	9.824−02	1.518−11	2.950−03	0.000−00	0.000−00	0.000−00
113	127	1.294+03	1.891−01	3.167−11	2.454−03	2.562+02	4.291−08	8.240−02
113	128	1.012+03	6.281−01	3.214−11	1.191−03	0.000−00	0.000−00	0.000−00
113	129	9.869+02	3.241−02	6.309−12	2.167−04	5.904+02	1.149−07	1.683−01
113	130	8.816+02	1.580−01	1.841−11	4.508−04	1.379+03	1.607−07	2.102−01
113	131	8.578+02	3.113−00	2.290−10	5.165−03	4.520+03	3.324−07	4.231−01
113	132	7.373+02	1.478−01	4.015−12	5.749−05	0.000−00	0.000−00	0.000−00
113	133	6.462+02	2.525+01	1.054−09	1.016−02	1.696+03	7.080−08	6.788−02
113	134	6.186+02	2.783−00	1.596−10	1.350−03	2.238+02	1.284−08	1.178−02
114	115	3.699+04	3.108−07	2.125−14	3.842−02	0.000−00	0.000−00	0.000−00
114	116	2.630+04	3.579−07	4.950−14	3.220−02	5.373−02	7.432−09	2.900−01
114	117	1.844+04	1.471−05	5.000−13	1.121−01	1.415−01	4.812−09	1.317−01
114	118	1.088+04	1.104−05	1.961−13	9.037−03	1.890−01	3.357−09	5.421−02
114	119	8.074+03	1.058−04	6.894−13	1.297−02	2.225−02	1.450−10	1.737−03
114	120	7.936+03	3.201−04	1.007−12	1.800−02	0.000−00	0.000−00	0.000−00
114	121	6.919+03	1.996−04	1.910−12	2.261−02	2.212+01	2.117−07	2.173−00
114	122	5.824+03	9.567−07	4.865−15	3.434−05	4.491−00	2.283−08	1.973−01
114	123	4.925+03	2.323−03	5.631−12	2.404−02	3.233+01	7.838−08	5.727−01
114	124	2.214+03	3.945−02	1.932−11	7.492−03	1.319+02	6.460−08	2.122−01
114	125	2.179+03	2.008−01	1.429−10	5.282−02	1.454+02	1.034−07	3.344−01
114	126	2.010+03	1.066−02	2.152−12	6.244−04	0.000−00	0.000−00	0.000−00
114	127	1.426+03	3.603−01	7.319−11	7.579−03	1.447+02	2.939−08	6.217−02
114	128	1.090+03	3.109−00	1.847−10	8.561−03	0.000−00	0.000−00	0.000−00
114	129	1.061+03	6.802−01	1.532−10	6.543−03	1.364−00	3.071−10	4.836−04
114	130	9.406+02	1.380−00	1.830−10	5.443−03	7.904+01	1.048−08	1.463−02
114	131	9.135+02	6.048−00	5.044−10	1.374−02	1.458+03	1.216−07	1.648−01
114	132	7.780+02	1.234−00	3.734−11	6.285−04	0.000−00	0.000−00	0.000−00
114	133	6.774+02	2.918+01	1.338−09	1.486−02	1.051+03	4.819−08	4.843−02
114	134	6.470+02	2.673+01	1.678−09	1.624−02	7.239−02	4.544−12	4.361−06
115	117	3.679+04	2.224−09	9.025−16	5.353−04	8.224−02	3.337−08	6.071−01
115	118	1.542+04	9.772−07	1.046−13	4.569−03	0.000−00	0.000−00	0.000−00
115	119	1.033+04	2.332−05	7.460−13	9.791−03	2.453−00	7.846−08	4.008−01
115	120	1.010+04	0.000−00	0.000−00	0.000−00	5.170−03	7.914−11	3.955−04
115	122	6.912+03	1.547−04	3.325−12	1.308−02	0.000−00	0.000−00	0.000−00
115	123	5.682+03	1.514−04	1.465−12	3.201−03	4.145−00	4.012−08	1.127−01
115	124	2.355+03	8.904−03	1.480−11	2.302−03	2.009−00	3.340−09	3.889−03
115	125	2.315+03	5.526−04	1.332−12	1.969−04	0.000−00	0.000−00	0.000−00
115	126	2.125+03	0.000−00	0.000−00	0.000−00	1.270+02	8.597−08	9.035−02
115	127	1.483+03	1.848−01	1.219−10	4.732−03	1.150+02	7.583−08	5.561−02
115	128	1.124+03	0.000−00	0.000−00	0.000−00	1.250+03	2.366−07	1.315−01
115	130	9.651+02	1.300−00	5.448−10	5.834−03	0.000−00	0.000−00	0.000−00
115	131	9.367+02	2.293−00	6.033−10	5.905−03	2.651+01	6.973−09	3.230−03
115	132	7.948+02	0.000−00	0.000−00	0.000−00	4.555+03	4.314−07	1.696−01
115	133	6.900+02	9.656−00	1.378−09	5.394−03	3.100+02	4.425−08	1.510−02
115	134	6.585+02	4.621−00	9.012−10	3.066−03	0.000−00	0.000−00	0.000−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
116	117	6.172+04	7.089−10	2.024−16	2.267−03	0.000−00	0.000−00	0.000−00
116	118	1.857+04	1.622−05	6.289−13	1.918−01	2.923−01	1.133−08	4.161−01
116	119	1.165+04	3.128−05	3.182−13	2.397−02	0.000−00	0.000−00	0.000−00
116	121	9.388+03	6.207−05	8.202−13	3.233−02	1.436−00	1.897−08	3.523−01
116	122	7.480+03	4.346−04	2.734−12	5.450−02	1.101−05	6.925−14	1.025−06
116	123	6.060+03	6.650−03	1.830−11	1.940−01	0.000−00	0.000−00	0.000−00
116	124	2.417+03	4.812−02	2.108−11	1.418−02	0.000−00	0.000−00	0.000−00
116	125	2.376+03	4.300−01	2.728−10	1.743−01	2.698+02	1.712−07	8.045−01
116	127	1.507+03	8.633−01	1.470−10	2.399−02	0.000−00	0.000−00	0.000−00
116	129	1.106+03	1.434−01	2.630−11	1.695−03	4.054+03	7.434−07	1.626−00
116	130	9.755+02	1.347−01	1.441−11	6.373−04	2.677+03	2.864−07	5.527−01
116	131	9.464+02	1.350−00	9.062−11	3.660−03	0.000−00	0.000−00	0.000−00
116	133	6.953+02	2.273+01	8.234−10	1.319−02	0.000−00	0.000−00	0.000−00
116	134	6.633+02	4.622−00	2.287−10	3.180−03	2.090+03	1.034−07	1.356−01
117	118	2.656+04	2.014−07	3.194−14	1.425−02	6.935−03	1.100−09	2.889−02
117	119	1.436+04	7.268−07	2.247−14	1.585−03	3.713−01	1.148−08	1.630−01
117	120	1.393+04	1.735−07	2.525−15	1.626−04	1.856−01	2.699−09	3.720−02
117	121	1.107+04	5.620−05	2.066−12	6.681−02	0.000−00	0.000−00	0.000−00
117	122	8.511+03	1.492−05	2.430−13	3.570−03	9.258−01	1.508−08	1.269−01
117	123	6.719+03	7.535−05	5.100−13	3.686−03	2.756−01	1.865−09	1.240−02
117	124	2.516+03	1.988−05	1.886−14	7.155−06	7.528−00	7.142−09	1.777−02
117	125	2.471+03	1.124−02	1.542−11	5.540−03	7.408−03	1.017−11	2.485−05
117	126	2.256+03	2.024−01	7.717−11	2.110−02	4.571+02	1.743−07	3.889−01
117	127	1.545+03	8.225−01	2.944−10	2.587−02	2.765+02	9.895−08	1.512−01
117	128	1.159+03	3.484−01	3.508−11	1.301−03	4.650+02	4.682−08	5.367−02
117	129	1.126+03	2.302−02	8.755−12	2.979−04	0.000−00	0.000−00	0.000−00
117	130	9.911+02	6.883−01	1.520−10	3.527−03	3.071+01	6.785−09	6.651−03
117	131	9.611+02	1.487−01	2.060−11	4.357−04	4.833−00	6.694−10	6.363−04
117	132	8.123+02	2.898−00	1.433−10	1.830−03	1.598+02	7.904−09	6.351−03
117	133	7.032+02	3.957−00	2.933−10	2.430−03	5.973−01	4.428−11	3.080−05
117	134	6.705+02	7.128−00	7.207−10	5.177−03	3.426+02	3.464−08	2.297−02
118	119	3.127+04	2.555−07	2.497−14	2.729−02	2.141−01	2.092−08	9.706−01
118	120	2.930+04	8.268−07	3.548−14	3.191−02	0.000−00	0.000−00	0.000−00
118	121	1.899+04	2.035−08	1.467−15	3.590−04	4.313−01	3.109−08	8.760−01
118	122	1.252+04	2.126−06	5.001−14	3.512−03	1.992−02	4.686−10	8.708−03
118	123	8.995+03	7.443−04	6.020−12	1.566−01	1.238−00	1.001−08	1.336−01
118	124	2.779+03	3.929−02	3.032−11	2.326−02	1.417−01	1.093−10	4.508−04
118	125	2.724+03	2.426−03	2.698−12	1.949−03	1.392+02	1.549−07	6.260−01
118	126	2.465+03	8.571−02	2.602−11	1.393−02	0.000−00	0.000−00	0.000−00
118	127	1.640+03	1.773−02	4.768−12	7.523−04	1.210+03	3.255−07	7.923−01
118	128	1.212+03	1.649−00	1.210−10	7.697−03	0.000−00	0.000−00	0.000−00
118	129	1.176+03	3.450−01	9.537−11	5.543−03	8.297+01	2.294−08	4.002−02
118	130	1.030+03	3.969−01	6.307−11	2.460−03	9.887+02	1.571−07	2.400−01
118	131	9.972+02	4.576−00	4.549−10	1.612−02	1.871+03	1.860−07	2.752−01
118	132	8.380+02	2.525−00	8.860−11	1.863−03	0.000−00	0.000−00	0.000−00
118	133	7.223+02	3.605−00	1.880−10	2.531−03	6.982+02	3.641−08	3.902−02
118	134	6.879+02	2.906−00	2.061−10	2.398−03	2.520−02	1.788−12	1.824−06
119	120	4.663+05	2.416−12	3.937−17	9.512−02	2.798−04	4.561−09	2.104−00
119	121	4.836+04	3.114−08	2.183−14	5.882−02	0.000−00	0.000−00	0.000−00
119	122	2.090+04	2.242−06	2.201−13	4.784−02	1.232−00	1.209−07	2.499−00

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
119	123	1.263+04	5.799−07	1.387−14	6.652−04	4.146−02	9.911−10	1.238−02
119	124	3.050+03	4.646−03	6.480−12	4.380−03	6.035−01	8.416−10	2.539−03
119	125	2.984+03	1.493−02	2.990−11	1.893−02	2.214−00	4.432−09	1.308−02
119	126	2.676+03	2.558−03	1.373−12	6.265−04	9.028−01	4.845−10	1.282−03
119	127	1.731+03	7.300−02	3.280−11	4.056−03	3.948+01	1.774−08	3.039−02
119	128	1.261+03	6.398−01	7.622−11	3.639−03	1.379+02	1.643−08	2.049−02
119	129	1.222+03	4.566−02	2.044−11	8.887−04	0.000−00	0.000−00	0.000−00
119	130	1.065+03	1.162−01	2.961−11	8.513−04	4.129+01	1.052−08	1.108−02
119	131	1.030+03	1.742−00	2.770−10	7.213−03	2.515+02	4.000−08	4.075−02
119	132	8.610+02	2.990−01	1.662−11	2.527−04	4.627+02	2.571−08	2.190−02
119	133	7.394+02	4.925−00	4.037−10	3.887−03	6.912+02	5.665−08	4.143−02
119	134	7.034+02	1.844−00	2.052−10	1.701−03	1.177+02	1.309−08	9.109−03
120	122	2.188+04	1.854−06	3.990−13	4.976−02	0.000−00	0.000−00	0.000−00
120	123	1.298+04	7.486−08	3.781−15	9.850−05	4.441−01	2.243−08	1.440−01
120	124	3.070+03	1.924−03	5.436−12	1.874−03	5.231−00	1.478−08	2.245−02
120	125	3.003+03	9.789−05	3.971−13	1.281−04	0.000−00	0.000−00	0.000−00
120	126	2.691+03	0.000−00	0.000−00	0.000−00	2.949−00	3.202−09	4.262−03
120	127	1.738+03	3.106−01	2.812−10	1.758−02	1.606+02	1.455−07	1.250−01
120	128	1.264+03	0.000−00	0.000−00	0.000−00	1.185+02	2.839−08	1.775−02
120	130	1.067+03	2.261−02	1.158−11	1.676−04	0.000−00	0.000−00	0.000−00
120	131	1.032+03	1.006−01	3.216−11	4.214−04	1.799+02	5.750−08	2.936−02
120	132	8.626+02	0.000−00	0.000−00	0.000−00	2.517+02	2.808−08	1.198−02
120	133	7.406+02	3.015−00	4.958−10	2.399−03	1.613+02	2.652−08	9.713−03
120	134	7.044+02	1.294−01	2.887−11	1.202−04	0.000−00	0.000−00	0.000−00
121	122	3.680+04	3.200−07	4.872−14	1.156−01	8.968−02	1.365−08	9.937−01
121	123	1.709+04	8.831−06	1.934−13	4.600−02	0.000−00	0.000−00	0.000−00
121	124	3.255+03	5.340−04	4.242−13	6.973−04	0.000−00	0.000−00	0.000−00
121	125	3.180+03	2.297−03	2.613−12	4.004−03	3.839−00	4.366−09	2.747−02
121	127	1.796+03	2.421−01	5.851−11	1.614−02	0.000−00	0.000−00	0.000−00
121	129	1.254+03	6.447−01	1.519−10	1.426−02	6.695+02	1.577−07	3.912−01
121	130	1.089+03	4.164−00	5.548−10	3.410−02	1.054+02	1.405−08	3.025−02
121	131	1.052+03	8.653−04	7.185−14	3.991−06	0.000−00	0.000−00	0.000−00
121	133	7.509+02	2.807+01	1.186−09	2.393−02	0.000−00	0.000−00	0.000−00
121	134	7.138+02	2.269+01	1.300−09	2.252−02	5.724+02	3.279−08	4.630−02
122	123	3.192+04	3.322−07	3.382−14	3.930−02	1.223−03	1.245−10	5.897−03
122	124	3.571+03	1.424−02	1.815−11	2.954−02	5.224−00	6.659−09	3.528−02
122	125	3.481+03	1.218−02	2.213−11	3.336−02	1.202+01	2.183−08	1.128−01
122	126	3.069+03	3.365−02	1.584−11	1.636−02	0.000−00	0.000−00	0.000−00
122	127	1.888+03	8.949−02	3.187−11	7.664−03	1.789+02	6.372−08	1.785−01
122	128	1.342+03	2.495−00	2.245−10	1.937−02	0.000−00	0.000−00	0.000−00
122	129	1.298+03	1.841−01	6.199−11	4.843−03	1.781+02	5.996−08	1.155−01
122	130	1.122+03	4.306−03	8.123−13	4.098−05	1.184+02	2.234−08	3.718−02
122	131	1.084+03	2.091−00	2.453−10	1.115−02	5.844+02	6.857−08	1.102−01
122	132	8.980+02	6.716−06	2.707−16	7.006−09	0.000−00	0.000−00	0.000−00
122	133	7.665+02	1.024+01	6.011−10	9.675−03	1.224+03	7.190−08	8.176−02
122	134	7.279+02	9.848−00	7.822−10	1.078−02	8.038+02	6.385−08	6.895−02
123	124	4.021+03	9.722−03	2.357−11	3.651−02	2.672+01	6.477−08	2.576−01
123	125	3.907+03	1.027−02	3.526−11	5.011−02	4.655−01	1.598−09	6.175−03
123	126	3.395+03	6.570−04	5.677−13	5.293−04	1.124+02	9.710−08	3.261−01
123	127	2.006+03	3.350−04	2.022−13	3.891−05	1.806+02	1.090−07	2.164−01

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
123	128	1.400+03	2.657−01	3.906−11	2.557−03	7.875+01	1.158−08	1.604−02
123	129	1.353+03	6.914−02	3.794−11	2.238−03	0.000−00	0.000−00	0.000−00
123	130	1.163+03	7.135−01	2.169−10	8.120−03	2.296+01	6.979−09	8.025−03
123	131	1.122+03	5.827−00	1.099−09	3.693−02	1.204+03	2.270−07	2.518−01
123	132	9.240+02	2.379+01	1.523−09	2.862−02	7.192+03	4.603−07	4.207−01
123	133	7.854+02	1.367−01	1.264−11	1.459−04	1.341+03	1.240−07	9.633−02
123	134	7.449+02	1.590−02	1.984−12	1.953−05	1.153+02	1.438−08	1.060−02
124	125	1.377+05	4.294−10	1.831−15	1.139−01	1.480−03	6.313−09	8.599−01
124	126	2.181+04	1.321−06	4.709−14	1.164−02	3.936−03	1.403−10	3.027−03
124	127	4.005+03	2.057−02	4.945−11	7.566−02	9.557−00	2.298−08	9.101−02
124	128	2.149+03	1.134−00	3.924−10	9.280−02	1.121+02	3.880−08	8.248−02
124	129	2.039+03	3.370−02	4.201−11	8.481−03	0.000−00	0.000−00	0.000−00
124	130	1.636+03	4.691−01	2.822−10	2.941−02	8.868+02	5.334−07	8.628−01
124	131	1.555+03	3.818−01	1.385−10	1.241−02	4.369+02	1.585−07	2.438−01
124	132	1.200+03	5.159−00	5.566−10	2.290−02	8.914+02	9.618−08	1.141−01
124	133	9.760+02	7.838−01	1.119−10	2.479−03	1.309+02	1.870−08	1.805−02
124	134	9.142+02	1.109−00	2.084−10	3.795−03	1.332+03	2.503−07	2.263−01
125	126	2.591+04	4.308−06	1.445−13	8.986−02	0.000−00	0.000−00	0.000−00
125	127	4.125+03	1.078−02	1.832−11	4.595−02	1.297+01	2.205−08	1.349−01
125	128	2.183+03	9.731−01	2.318−10	8.617−02	0.000−00	0.000−00	0.000−00
125	129	2.069+03	1.794−02	1.535−11	4.863−03	2.213+02	1.895−07	5.817−01
125	130	1.655+03	3.207−02	1.317−11	2.134−03	6.178+02	2.537−07	6.231−01
125	131	1.573+03	3.111−02	7.695−12	1.071−03	3.525+02	8.719−08	2.035−01
125	132	1.210+03	4.505−02	3.297−12	2.089−04	0.000−00	0.000−00	0.000−00
125	133	9.830+02	2.453−00	2.369−10	8.041−03	1.503+02	1.452−08	2.117−02
125	134	9.203+02	7.121−00	9.043−10	2.519−02	1.609+03	2.043−07	2.790−01
126	127	4.906+03	3.936−03	2.840−11	3.993−02	3.783+01	2.729−07	6.621−01
126	128	2.384+03	0.000−00	0.000−00	0.000−00	3.537+02	3.014−07	3.553−01
126	130	1.768+03	1.207−02	1.697−11	1.117−03	0.000−00	0.000−00	0.000−00
126	131	1.675+03	8.439−02	7.098−11	3.972−03	4.656+01	3.916−08	3.244−02
126	132	1.270+03	0.000−00	0.000−00	0.000−00	6.065+02	1.465−07	9.201−02
126	133	1.022+03	2.008−02	6.283−12	7.983−05	4.826+01	1.511−08	7.633−03
126	134	9.542+02	6.105−01	2.500−10	2.588−03	0.000−00	0.000−00	0.000−00
127	128	4.638+03	1.564−02	2.521−11	5.992−02	6.810+01	1.098−07	5.037−01
127	129	4.153+03	5.873−03	3.038−11	5.184−02	0.000−00	0.000−00	0.000−00
127	130	2.764+03	2.543−03	4.371−12	2.200−03	3.695−00	6.350−09	1.736−02
127	131	2.543+03	1.097−01	1.064−10	4.168−02	2.006+02	1.945−07	4.893−01
127	132	1.713+03	2.833−01	6.229−11	7.458−03	1.483+01	3.261−09	5.524−03
127	133	1.290+03	5.685−01	1.419−10	7.269−03	9.224−00	2.303−09	2.940−03
127	134	1.185+03	2.301−01	7.263−11	2.877−03	1.280+02	4.039−08	4.733−02
128	130	6.844+03	1.998−05	4.209−13	1.607−03	0.000−00	0.000−00	0.000−00
128	131	5.630+03	2.309−03	2.195−11	4.665−02	8.965−00	8.520−08	2.372−01
128	132	2.716+03	0.000−00	0.000−00	0.000−00	2.231+02	2.467−07	3.313−01
128	133	1.788+03	1.281−01	1.228−10	8.364−03	4.200−00	4.027−09	3.560−03
128	134	1.591+03	2.044−03	2.327−12	1.117−04	0.000−00	0.000−00	0.000−00
129	130	8.267+03	1.336−04	1.027−12	2.765−02	3.208−00	2.465−08	4.031−01
129	131	6.559+03	6.361−03	2.051−11	2.758−01	0.000−00	0.000−00	0.000−00
129	133	1.872+03	2.014−00	5.293−10	1.655−01	0.000−00	0.000−00	0.000−00
129	134	1.657+03	8.124−01	2.509−10	5.444−02	1.358+02	4.193−08	1.375−01
130	131	3.175+04	6.286−07	6.333−14	7.242−02	2.790−03	2.811−10	1.324−02

Table 3. Transition wavelengths (λ_{ij} in $\mathring{A}$), radiative rates (A_{ji} in s^{-1}), oscillator strengths (f_{ij}, dimensionless), and line strengths (S, in atomic units) for electric quadrupole (E2) and magnetic dipole (M1) transitions in Fe XVI. ($a\pm b \equiv a\times10^{\pm b}$).

i	j	λ_{ij}	A_{ji}^{E2}	f_{ij}^{E2}	S^{E2}	A_{ji}^{M1}	f_{ij}^{M1}	S^{M1}
130	132	4.503+03	5.947−02	6.025−11	1.966−01	0.000−00	0.000−00	0.000−00
130	133	2.420+03	2.563−02	1.501−11	7.606−03	3.472+02	2.033−07	7.300−01
130	134	2.073+03	4.782−02	3.081−11	9.809−03	8.420+01	5.425−08	1.669−01
131	132	5.247+03	8.174−03	1.687−11	5.804−02	1.644+01	3.393−08	1.761−01
131	133	2.620+03	6.453−03	6.642−12	2.847−03	7.881−00	8.111−09	2.102−02
131	134	2.218+03	2.447−02	2.706−11	7.034−03	2.229+02	2.465−07	5.408−01
132	133	5.234+03	1.154−03	9.483−12	1.620−02	1.381−00	1.134−08	2.937−02
132	134	3.842+03	2.287−02	1.518−10	1.025−01	0.000−00	0.000−00	0.000−00
133	134	1.444+04	1.648−05	7.729−13	5.548−02	1.987−00	9.323−08	1.332−00

Table 5. Lifetimes (τ) for levels of Fe XVI. ($a\pm b \equiv a\times 10^{\pm b}$).

Index	Configuration	Level	τ (s)
1	$2p^6 3s$	$^2S_{1/2}$	.....
2	$2p^6 3p$	$^2P^o_{1/2}$	1.592−10
3	$2p^6 3p$	$^2P^o_{3/2}$	1.277−10
4	$2p^6 3d$	$^2D_{3/2}$	5.961−11
5	$2p^6 3d$	$^2D_{5/2}$	6.654−11
6	$2p^5 3s^2$	$^2P^o_{3/2}$	1.219−12
7	$2p^5 3s^2$	$^2P^o_{1/2}$	1.183−12
8	$2p^5 3s3p$	$^4S_{3/2}$	6.246−11
9	$2p^5 3s3p$	$^4D_{5/2}$	8.042−12
10	$2p^5 3s3p$	$^4D_{7/2}$	4.824−06
11	$2p^5 3s(^1P)3p$	$^2D_{3/2}$	1.722−12
12	$2p^5 3s(^1P)3p$	$^2P_{1/2}$	1.789−12
13	$2p^5 3s3p$	$^4P_{5/2}$	2.513−12
14	$2p^5 3s3p$	$^4P_{3/2}$	1.325−12
15	$2p^5 3s(^1P)3p$	$^2S_{1/2}$	1.347−12
16	$2p^5 3s3p$	$^4D_{1/2}$	3.545−12
17	$2p^5 3s3p$	$^4D_{3/2}$	2.159−12
18	$2p^5 3s3p$	$^4P_{1/2}$	1.716−12
19	$2p^5 3s(^3P)3p$	$^2D_{5/2}$	3.230−11
20	$2p^5 3s(^3P)3p$	$^2P_{3/2}$	5.499−12
21	$2p^5 3s(^1P)3p$	$^2D_{5/2}$	8.954−13
22	$2p^5 3s(^1P)3p$	$^2P_{3/2}$	1.027−12
23	$2p^5 3s(^3P)3p$	$^2P_{1/2}$	9.702−13
24	$2p^5 3s(^3P)3p$	$^2D_{3/2}$	2.024−12
25	$2p^5 3s(^3P)3p$	$^2S_{1/2}$	1.065−12
26	$2p^5 3p^2$	$^4P^o_{3/2}$	6.869−12
27	$2p^5 3p^2(^1D)$	$^2P^o_{1/2}$	2.458−12
28	$2p^5 3p^2$	$^4P^o_{5/2}$	5.328−11
29	$2p^5 3p^2$	$^2F^o_{7/2}$	1.452−11
30	$2p^5 3p^2(^1D)$	$^2P^o_{3/2}$	5.704−12
31	$2p^5 3p^2(^1D)$	$^2D^o_{5/2}$	1.675−11
32	$2p^5 3p^2(^3P)$	$^2D^o_{3/2}$	5.085−11
33	$2p^5 3p^2$	$^4P^o_{1/2}$	7.642−12
34	$2p^5 3p^2$	$^4D^o_{7/2}$	3.666−11
35	$2p^5 3p^2$	$^4D^o_{5/2}$	3.448−11
36	$2p^5 3p^2$	$^4D^o_{1/2}$	9.083−12
37	$2p^5 3p^2(^1D)$	$^2D^o_{3/2}$	1.448−11
38	$2p^5 3s3d$	$^4P^o_{1/2}$	1.485−11
39	$2p^5 3s3d$	$^4P^o_{3/2}$	7.476−12
40	$2p^5 3s3d$	$^4F^o_{9/2}$	5.908−11
41	$2p^5 3s3d$	$^4P^o_{5/2}$	2.751−11
42	$2p^5 3p^2$	$^2F^o_{5/2}$	1.105−11
43	$2p^5 3p^2$	$^4D^o_{3/2}$	1.697−11
44	$2p^5 3s3d$	$^4F^o_{7/2}$	7.469−12
45	$2p^5 3p^2$	$^2S^o_{1/2}$	5.670−11
46	$2p^5 3s3d$	$^4F^o_{5/2}$	2.911−12
47	$2p^5 3s(^1P)3d$	$^2D^o_{3/2}$	3.818−12
48	$2p^5 3p^2$	$^4S^o_{3/2}$	4.859−12
49	$2p^5 3s3d$	$^4D^o_{7/2}$	3.068−12
50	$2p^5 3s(^1P)3d$	$^2F^o_{5/2}$	2.405−12
51	$2p^5 3p^2(^3P)$	$^2D^o_{5/2}$	3.197−12
52	$2p^5 3p^2(^1S)$	$^2P^o_{3/2}$	4.457−12
53	$2p^5 3s(^1P)3d$	$^2P^o_{1/2}$	6.457−13
54	$2p^5 3s(^1P)3d$	$^2P^o_{3/2}$	2.417−13
55	$2p^5 3s3d$	$^4D^o_{1/2}$	3.129−13
56	$2p^5 3s3d$	$^4D^o_{3/2}$	1.014−12
57	$2p^5 3s(^3P)3d$	$^2F^o_{7/2}$	4.915−12
58	$2p^5 3s3d$	$^4F^o_{3/2}$	1.392−12
59	$2p^5 3s3d$	$^4D^o_{5/2}$	5.161−12
60	$2p^5 3s(^3P)3d$	$^2D^o_{5/2}$	3.857−12
61	$2p^5 3s(^1P)3d$	$^2F^o_{7/2}$	1.769−12
62	$2p^5 3s(^1P)3d$	$^2D^o_{5/2}$	1.461−12
63	$2p^5 3p^2(^3P)$	$^2P^o_{1/2}$	1.161−12
64	$2p^5 3p^2(^1S)$	$^2P^o_{1/2}$	9.250−12
65	$2p^5 3p^2(^3P)$	$^2P^o_{3/2}$	4.012−13
66	$2p^5 3s(^3P)3d$	$^2D^o_{3/2}$	7.169−14
67	$2p^5 3s(^3P)3d$	$^2P^o_{1/2}$	4.020−14
68	$2p^5 3p3d(^3S)$	$^4D_{1/2}$	1.718−10
69	$2p^5 3p3d(^3S)$	$^4D_{3/2}$	2.776−11
70	$2p^5 3s(^3P)3d$	$^2F^o_{5/2}$	3.545−12
71	$2p^5 3p3d(^3S)$	$^4D_{5/2}$	2.194−11
72	$2p^5 3p3d(^3D)$	$^4G_{7/2}$	1.785−10
73	$2p^5 3p3d$	$^4G_{9/2}$	2.181−10
74	$2p^5 3p3d(^3S)$	$^4D_{7/2}$	1.338−10
75	$2p^5 3p3d$	$^4G_{11/2}$	2.095−10
76	$2p^5 3s(^3P)3d$	$^2P^o_{3/2}$	1.090−13
77	$2p^5 3p3d(^3D)$	$^2D_{5/2}$	9.346−12
78	$2p^5 3p3d(^3D)$	$^2D_{3/2}$	3.056−12
79	$2p^5 3p3d(^3D)$	$^2F_{7/2}$	6.466−11
80	$2p^5 3p3d(^1P)$	$^2F_{5/2}$	2.744−11
81	$2p^5 3p3d(^1P)$	$^2P_{1/2}$	1.672−12
82	$2p^5 3p3d(^1D)$	$^2G_{7/2}$	1.540−10
83	$2p^5 3p3d(^3D)$	$^4P_{1/2}$	3.475−12
84	$2p^5 3p3d(^3D)$	$^4P_{3/2}$	1.641−11
85	$2p^5 3p3d(^3P)$	$^4F_{9/2}$	1.744−10
86	$2p^5 3p3d(^3D)$	$^4S_{3/2}$	1.320−12
87	$2p^5 3p3d(^3P)$	$^4D_{7/2}$	3.637−11
88	$2p^5 3p3d(^3D)$	$^4F_{5/2}$	2.943−11
89	$2p^5 3p3d(^3D)$	$^4P_{5/2}$	3.993−12
90	$2p^5 3p3d(^3D)$	$^4F_{3/2}$	6.315−13

Index	Configuration	Level	τ (s)
91	$2p^5 3p3d(^3D)$	$^4F_{9/2}$	2.972−11
92	$2p^5 3p3d(^1P)$	$^2P_{3/2}$	1.462−11
93	$2p^5 3p3d(^1P)$	$^2D_{5/2}$	1.604−12
94	$2p^5 3p3d(^3D)$	$^4F_{7/2}$	3.036−11
95	$2p^5 3p3d(^1D)$	$^2F_{5/2}$	4.110−12
96	$2p^5 3p3d(^3D)$	$^4D_{7/2}$	3.172−11
97	$2p^5 3p3d(^3P)$	$^2P_{1/2}$	1.355−12
98	$2p^5 3p3d(^1D)$	$^2D_{3/2}$	2.317−12
99	$2p^5 3p3d(^3P)$	$^4D_{5/2}$	6.073−13
100	$2p^5 3p3d(^1P)$	$^2D_{3/2}$	6.874−12
101	$2p^5 3p3d(^3D)$	$^4G_{5/2}$	7.257−11
102	$2p^5 3p3d(^3P)$	$^4F_{5/2}$	6.846−12
103	$2p^5 3p3d(^3D)$	$^4D_{1/2}$	1.772−13
104	$2p^5 3p3d(^3P)$	$^4F_{3/2}$	1.274−12
105	$2p^5 3p3d(^1D)$	$^2S_{1/2}$	4.064−13
106	$2p^5 3p3d(^3P)$	$^4F_{7/2}$	2.052−10
107	$2p^5 3p3d(^3D)$	$^2F_{5/2}$	3.109−12
108	$2p^5 3p3d(^1P)$	$^2F_{7/2}$	1.474−10
109	$2p^5 3p3d(^1D)$	$^2G_{9/2}$	1.662−10
110	$2p^5 3p3d(^3D)$	$^4D_{3/2}$	2.427−13
111	$2p^5 3p3d(^3D)$	$^2G_{9/2}$	3.009−11
112	$2p^5 3p3d(^3S)$	$^2D_{3/2}$	6.055−12
113	$2p^5 3p3d(^3S)$	$^2D_{5/2}$	1.316−12
114	$2p^5 3p3d(^3D)$	$^4D_{5/2}$	4.706−13
115	$2p^5 3p3d(^3P)$	$^4P_{1/2}$	7.451−13
116	$2p^5 3p3d(^3P)$	$^2F_{7/2}$	2.839−11
117	$2p^5 3p3d(^3P)$	$^4P_{3/2}$	1.332−12
118	$2p^5 3p3d(^3P)$	$^4P_{5/2}$	1.172−12
119	$2p^5 3p3d(^3P)$	$^4D_{3/2}$	5.165−12
120	$2p^5 3p3d(^3P)$	$^4D_{1/2}$	1.103−11
121	$2p^5 3p3d(^1D)$	$^2F_{7/2}$	2.883−11
122	$2p^5 3p3d(^1D)$	$^2D_{5/2}$	2.312−11
123	$2p^5 3p3d(^3P)$	$^2P_{3/2}$	3.386−13
124	$2p^5 3p3d(^3P)$	$^2D_{3/2}$	4.496−14
125	$2p^5 3p3d(^3P)$	$^2F_{5/2}$	9.973−14
126	$2p^5 3p3d(^1D)$	$^2P_{1/2}$	6.382−14
127	$2p^5 3p3d(^1D)$	$^2P_{3/2}$	5.369−14
128	$2p^5 3p3d(^3D)$	$^2P_{1/2}$	4.190−14
129	$2p^5 3p3d(^3D)$	$^2G_{7/2}$	2.852−11
130	$2p^5 3p3d(^3P)$	$^2D_{5/2}$	8.418−14
131	$2p^5 3p3d(^3D)$	$^2P_{3/2}$	1.747−13
132	$2p^5 3p3d(^3D)$	$^2S_{1/2}$	9.195−14
133	$2p^5 3p3d(^1S)$	$^2D_{3/2}$	7.699−13
134	$2p^5 3p3d(^1S)$	$^2D_{5/2}$	1.545−12

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