Table 2: Weighted dipole allowed E1 oscillator strengths gf_L, gf_V in the length and velocity formulations, and the Einstein A-coefficients A_L in the length formulation.

i	j	gf_L	gf_V	A_L	i	j	gf_L	gf_V	A_L
36	1	9.34e-02	9.68e-02	1.19e+09	80	2	9.64e-06	9.10e-06	2.70e+05
40	1	4.64e-01	4.68e-01	8.92e+09	36	3	2.91e-04	2.88e-04	3.68e+06
41	1	9.82e-02	9.85e-02	1.26e+09	37	3	2.14e-04	2.67e-04	2.04e+06
44	1	2.43e-03	2.50e-03	3.17e+07	38	3	1.75e-01	1.80e-01	1.34e+09
46	1	2.57e-01	2.55e-01	1.01e+10	41	3	1.05e-01	1.05e-01	1.34e+09
47	1	2.88e-02	2.89e-02	5.66e+08	42	3	9.02e-01	9.05e-01	8.71e+09
48	1	8.98e-04	8.83e-04	1.18e+07	43	3	8.20e-02	8.14e-02	6.37e+08
50	1	5.48e-02	5.40e-02	1.09e+09	44	3	8.66e-02	8.58e-02	1.12e+09
51	1	2.56e-03	2.50e-03	3.40e+07	45	3	2.86e-02	2.91e-02	2.80e+08
54	1	1.82e-06	1.86e-06	7.49e+04	48	3	5.06e-01	5.01e-01	6.62e+09
55	1	1.90e-08	1.54e-08	4.01e+02	49	3	3.99e-02	3.90e-02	3.95e+08
56	1	5.62e-03	5.89e-03	2.42e+08	51	3	8.14e-02	8.18e-02	1.07e+09
57	1	1.22e-04	1.29e-04	2.61e+06	52	3	6.25e-04	5.87e-04	6.30e+06
58	1	1.12e-04	1.09e-04	1.59e+06	53	3	1.30e-03	1.17e-03	1.06e+07
60	1	6.74e-02	7.11e-02	2.90e+09	58	3	1.12e-02	1.16e-02	1.58e+08
61	1	2.92e-02	3.06e-02	6.29e+08	59	3	6.04e-03	6.33e-03	6.48e+07
62	1	2.05e-03	2.14e-03	2.97e+07	62	3	1.71e-01	1.77e-01	2.45e+09
64	1	4.64e-04	4.80e-04	1.01e+07	63	3	2.73e-02	2.80e-02	2.97e+08
65	1	5.92e-05	5.99e-05	8.65e+05	65	3	3.28e-03	3.35e-03	4.77e+07
66	1	2.69e-05	2.67e-05	1.19e+06	68	3	1.32e-04	1.28e-04	1.95e+06
67	1	2.30e-05	2.23e-05	5.09e+05	69	3	9.30e-05	8.67e-05	1.03e+06
68	1	9.37e-07	8.67e-07	1.39e+04	70	3	1.45e-06	1.80e-07	1.28e+04
71	1	1.64e-04	1.37e-04	3.74e+06	72	3	2.46e-04	1.83e-04	3.74e+06
72	1	2.17e-05	1.86e-05	3.32e+05	73	3	2.64e-06	2.50e-06	2.42e+04
75	1	2.27e-05	1.54e-05	1.06e+06	77	3	1.38e-05	1.58e-05	2.19e+05
76	1	1.93e-06	1.28e-06	4.50e+04	78	3	7.28e-07	8.26e-07	8.62e+03
77	1	1.51e-05	1.87e-05	2.42e+05	37	4	8.83e-04	8.95e-04	8.38e+06
79	1	1.30e-05	1.26e-05	7.22e+05	38	4	1.59e-03	1.52e-03	1.22e+07
80	1	2.25e-06	2.15e-06	6.33e+04	39	4	1.86e-01	1.90e-01	1.20e+09
36	2	2.29e-03	2.47e-03	2.90e+07	42	4	7.97e-02	8.01e-02	7.66e+08
37	2	1.36e-01	1.41e-01	1.31e+09	43	4	1.29e+00	1.29e+0	1.00e+10
40	2	8.40e-02	8.49e-02	1.61e+09	45	4	3.29e-01	3.28e-01	3.20e+09
41	2	6.24e-01	6.27e-01	8.01e+09	49	4	6.18e-01	6.10e-01	6.07e+09
42	2	1.20e-01	1.19e-01	1.16e+09	52	4	8.53e-05	8.03e-05	8.57e+05
44	2	5.67e-03	5.86e-03	7.37e+07	53	4	4.35e-03	4.02e-03	3.52e+07
45	2	3.71e-03	3.76e-03	3.64e+07	59	4	5.10e-02	5.22e-02	5.45e+08
47	2	3.04e-01	3.01e-01	5.96e+09	63	4	2.30e-01	2.36e-01	2.49e+09
48	2	6.17e-02	6.10e-02	8.10e+08	69	4	3.62e-04	3.81e-04	3.97e+06
49	2	3.61e-04	3.41e-04	3.58e+06	70	4	5.33e-05	4.02e-05	4.70e+05
50	2	1.34e-01	1.34e-01	2.65e+09	73	4	2.09e-07	8.11e-08	1.91e+03
51	2	2.82e-02	2.79e-02	3.74e+08	74	4	1.18e-05	1.07e-05	9.04e+04
52	2	5.53e-04	4.96e-04	5.60e+06	78	4	1.12e-04	1.21e-04	1.32e+06
55	2	4.58e-07	4.10e-07	9.63e+03	40	5	8.03e-04	7.85e-04	1.38e+07
57	2	5.81e-04	6.07e-04	1.24e+07	46	5	1.14e-01	1.09e-01	4.03e+09
58	2	2.26e-03	2.43e-03	3.21e+07	47	5	8.80e-02	8.41e-02	1.54e+09
59	2	2.86e-04	2.88e-04	3.08e+06	50	5	2.53e-02	2.40e-02	4.48e+08
61	2	1.17e-01	1.22e-01	2.51e+09	54	5	1.56e-03	1.57e-03	5.78e+07
62	2	3.70e-02	3.84e-02	5.33e+08	55	5	1.66e-01	1.67e-01	3.15e+09
63	2	1.42e-03	1.47e-03	1.55e+07	56	5	1.88e-03	1.90e-03	7.28e+07
64	2	8.48e-04	8.65e-04	1.85e+07	57	5	5.31e-03	5.48e-03	1.02e+08
65	2	9.55e-04	9.84e-04	1.39e+07	60	5	2.36e-02	2.32e-02	9.15e+08
67	2	1.22e-04	1.21e-04	2.70e+06	61	5	2.81e-02	2.77e-02	5.46e+08
68	2	1.99e-05	1.81e-05	2.94e+05	64	5	1.97e-03	1.97e-03	3.88e+07
69	2	3.84e-06	2.14e-06	4.26e+04	66	5	1.95e-02	1.95e-02	7.75e+08
71	2	7.81e-05	5.55e-05	1.78e+06	67	5	8.78e-02	8.79e-02	1.75e+09
72	2	1.82e-04	1.48e-04	2.77e+06	71	5	2.20e-04	2.10e-04	4.55e+06
76	2	1.63e-05	1.15e-05	3.81e+05	75	5	3.78e-04	3.79e-04	1.59e+07
77	2	1.80e-06	1.96e-06	2.87e+04	76	5	4.32e-05	2.90e-05	9.11e+05
78	2	1.07e-05	1.33e-05	1.27e+05	79	5	2.11e-05	1.94e-05	1.07e+06

Table 2. *continued*

i	j	gf_L	gf_V	A_L	i	j	gf_L	gf_V	A_L
80	5	1.12e-05	9.62e-06	2.87e+05	78	7	2.48e-04	2.77e-04	2.66e+06
36	6	7.84e-05	7.63e-05	8.89e+05	80	7	1.07e-04	1.09e-04	2.74e+06
40	6	1.06e-03	1.04e-03	1.81e+07	36	8	6.32e-03	5.64e-03	7.09e+07
41	6	2.69e-03	2.65e-03	3.09e+07	37	8	6.56e-05	7.97e-05	5.56e+05
44	6	5.86e-02	5.65e-02	6.82e+08	38	8	1.50e-05	1.35e-05	1.03e+05
46	6	2.30e-02	2.22e-02	8.07e+08	41	8	5.84e-05	6.38e-05	6.63e+05
47	6	1.16e-01	1.12e-01	2.03e+09	42	8	1.11e-04	1.18e-04	9.56e+05
48	6	2.19e-01	2.10e-01	2.58e+09	43	8	4.26e-05	4.50e-05	2.94e+05
50	6	3.23e-02	3.12e-02	5.72e+08	44	8	2.00e-01	1.81e-01	2.30e+09
51	6	1.13e-02	1.06e-02	1.34e+08	45	8	4.66e-03	4.11e-03	4.06e+07
54	6	8.04e-03	8.14e-03	2.97e+08	48	8	5.78e-02	5.18e-02	6.73e+08
55	6	3.13e-01	3.12e-01	5.91e+09	49	8	2.89e-03	2.50e-03	2.55e+07
56	6	2.21e-04	2.15e-04	8.54e+06	51	8	2.20e-02	2.00e-02	2.59e+08
57	6	1.69e-02	1.73e-02	3.24e+08	52	8	6.25e-01	5.97e-01	5.62e+09
58	6	6.69e-03	6.59e-03	8.56e+07	53	8	2.07e-02	2.00e-02	1.50e+08
60	6	5.28e-03	5.18e-03	2.04e+08	58	8	9.23e-01	8.94e-01	1.17e+10
61	6	2.65e-02	2.61e-02	5.14e+08	59	8	6.43e-02	6.32e-02	6.17e+08
62	6	6.19e-02	6.09e-02	8.04e+08	62	8	6.77e-02	6.58e-02	8.70e+08
64	6	2.23e-03	2.27e-03	4.38e+07	63	8	1.59e-02	1.59e-02	1.54e+08
65	6	1.55e-02	1.52e-02	2.04e+08	65	8	1.19e-02	1.10e-02	1.54e+08
66	6	9.85e-02	9.82e-02	3.91e+09	68	8	8.73e-04	7.91e-04	1.15e+07
67	6	2.47e-02	2.48e-02	4.92e+08	69	8	1.18e-01	1.24e-01	1.17e+09
68	6	8.42e-02	8.36e-02	1.12e+09	70	8	8.67e-03	9.24e-03	6.87e+07
71	6	4.23e-06	1.61e-06	8.71e+04	72	8	9.19e-04	9.47e-04	1.25e+07
72	6	1.56e-03	1.46e-03	2.14e+07	73	8	3.76e-02	3.73e-02	3.10e+08
75	6	5.76e-04	5.89e-04	2.42e+07	77	8	7.18e-02	7.15e-02	1.03e+09
76	6	4.10e-04	4.77e-04	8.63e+06	78	8	1.02e-03	1.20e-03	1.09e+07
77	6	5.08e-05	5.86e-05	7.32e+05	37	9	3.82e-03	3.52e-03	3.23e+07
79	6	1.45e-04	1.43e-04	7.31e+06	38	9	6.58e-04	6.81e-04	4.49e+06
80	6	6.80e-05	5.80e-05	1.74e+06	39	9	2.67e-04	2.54e-04	1.53e+06
36	7	1.28e-05	1.26e-05	1.44e+05	42	9	8.41e-04	8.33e-04	7.18e+06
37	7	5.24e-05	5.22e-05	4.47e+05	43	9	9.19e-04	9.84e-04	6.32e+06
40	7	6.64e-05	6.65e-05	1.13e+06	45	9	2.44e-01	2.25e-01	2.12e+09
41	7	9.29e-04	9.28e-04	1.06e+07	49	9	1.30e-01	1.18e-01	1.14e+09
42	7	2.37e-03	2.36e-03	2.04e+07	52	9	7.74e-02	7.29e-02	6.93e+08
44	7	1.84e-02	1.79e-02	2.14e+08	53	9	7.71e-01	7.40e-01	5.55e+09
45	7	2.16e-01	2.11e-01	1.89e+09	59	9	1.04e+00	1.00e+00	9.98e+09
47	7	9.17e-03	8.94e-03	1.60e+08	63	9	2.13e-01	2.06e-01	2.07e+09
48	7	9.30e-02	9.03e-02	1.09e+09	69	9	7.57e-03	6.92e-03	7.46e+07
49	7	3.33e-01	3.22e-01	2.95e+09	70	9	1.98e-01	2.05e-01	1.57e+09
50	7	4.36e-03	4.26e-03	7.69e+07	73	9	4.50e-04	2.96e-04	3.70e+06
51	7	1.21e-02	1.19e-02	1.43e+08	74	9	5.80e-02	5.72e-02	4.00e+08
52	7	3.35e-05	3.19e-05	3.03e+05	78	9	8.66e-02	8.76e-02	9.18e+08
55	7	4.16e-01	4.10e-01	7.83e+09	40	10	2.83e-03	2.64e-03	4.62e+07
57	7	5.17e-02	5.15e-02	9.86e+08	46	10	2.39e-04	2.06e-04	8.03e+06
58	7	6.56e-04	6.32e-04	8.37e+06	47	10	4.48e-02	4.18e-02	7.49e+08
59	7	2.55e-02	2.49e-02	2.47e+08	50	10	1.34e-01	1.25e-01	2.26e+09
61	7	2.65e-03	2.61e-03	5.12e+07	54	10	9.29e-02	8.77e-02	3.28e+09
62	7	1.39e-02	1.36e-02	1.80e+08	55	10	3.56e-03	3.51e-03	6.43e+07
63	7	8.46e-02	8.30e-02	8.29e+08	56	10	9.64e-02	9.24e-02	3.56e+09
64	7	4.68e-03	4.52e-03	9.14e+07	57	10	7.10e-02	6.97e-02	1.30e+09
65	7	5.74e-02	5.60e-02	7.51e+08	60	10	9.38e-03	9.01e-03	3.47e+08
67	7	1.31e-01	1.28e-01	2.59e+09	61	10	2.99e-03	2.85e-03	5.54e+07
68	7	2.22e-01	2.18e-01	2.96e+09	64	10	9.14e-03	9.03e-03	1.71e+08
69	7	1.07e-04	1.08e-04	1.07e+06	66	10	6.51e-04	6.15e-04	2.47e+07
71	7	7.54e-05	6.80e-05	1.55e+06	67	10	3.99e-03	3.87e-03	7.59e+07
72	7	5.36e-04	4.93e-04	7.34e+06	71	10	1.84e-02	1.70e-02	3.63e+08
76	7	4.12e-04	3.67e-04	8.65e+06	75	10	4.49e-02	4.32e-02	1.81e+09
77	7	1.73e-05	1.90e-05	2.49e+05	76	10	1.67e-02	1.62e-02	3.37e+08

Table 2. *continued*

i	j	gf_L	gf_V	A_L	i	j	gf_L	gf_V	A_L
79	10	2.42e-03	2.27e-03	1.18e+08	80	12	1.25e-02	1.25e-02	3.03e+08
80	10	1.28e-03	1.22e-03	3.16e+07	36	13	6.06e-04	5.42e-04	6.46e+06
36	11	2.84e-03	2.62e-03	3.07e+07	37	13	2.56e-03	2.33e-03	2.06e+07
40	11	3.02e-03	2.82e-03	4.95e+07	40	13	2.28e-04	2.14e-04	3.68e+06
41	11	6.22e-04	5.89e-04	6.83e+06	41	13	1.68e-03	1.58e-03	1.82e+07
44	11	1.19e-01	1.09e-01	1.32e+09	42	13	3.27e-05	2.54e-05	2.67e+05
46	11	2.52e-04	2.32e-04	8.47e+06	44	13	6.61e-02	5.90e-02	7.25e+08
47	11	4.97e-02	4.49e-02	8.33e+08	45	13	1.48e-01	1.33e-01	1.23e+09
48	11	1.66e-02	1.49e-02	1.87e+08	47	13	3.88e-03	3.48e-03	6.41e+07
50	11	1.46e-01	1.31e-01	2.47e+09	48	13	2.94e-03	2.63e-03	3.26e+07
51	11	6.55e-02	6.30e-02	7.44e+08	49	13	1.15e-01	1.04e-01	9.65e+08
54	11	8.66e-02	8.20e-02	3.06e+09	50	13	1.10e-02	9.88e-03	1.83e+08
55	11	1.46e-02	1.40e-02	2.64e+08	51	13	2.04e-01	1.81e-01	2.29e+09
56	11	6.11e-03	5.67e-03	2.26e+08	52	13	3.62e-04	3.22e-04	3.10e+06
57	11	3.17e-01	3.07e-01	5.82e+09	55	13	2.28e-02	2.11e-02	4.08e+08
58	11	4.59e-03	5.31e-03	5.63e+07	57	13	2.62e-01	2.48e-01	4.73e+09
60	11	9.86e-04	9.15e-04	3.65e+07	58	13	9.12e-03	8.44e-03	1.10e+08
61	11	4.36e-05	6.05e-05	8.09e+05	59	13	1.02e-02	1.14e-02	9.36e+07
62	11	2.40e-03	2.43e-03	2.99e+07	61	13	7.10e-03	6.62e-03	1.30e+08
64	11	5.43e-02	5.11e-02	1.02e+09	62	13	7.81e-03	7.13e-03	9.58e+07
65	11	4.70e-02	4.49e-02	5.91e+08	63	13	6.68e-03	6.90e-03	6.21e+07
66	11	4.04e-03	3.89e-03	1.54e+08	64	13	9.56e-02	8.83e-02	1.77e+09
67	11	7.33e-03	7.03e-03	1.40e+08	65	13	4.42e-01	4.13e-01	5.48e+09
68	11	2.30e-02	2.22e-02	2.95e+08	67	13	5.18e-04	4.88e-04	9.74e+06
71	11	4.41e-04	7.85e-04	8.72e+06	68	13	7.73e-02	7.32e-02	9.76e+08
72	11	1.50e-02	1.43e-02	1.97e+08	69	13	4.81e-05	5.11e-05	4.54e+05
75	11	7.57e-02	7.37e-02	3.05e+09	71	13	3.33e-03	3.47e-03	6.50e+07
76	11	2.42e-02	2.31e-02	4.89e+08	72	13	1.84e-03	2.74e-03	2.40e+07
77	11	7.25e-03	8.09e-03	1.00e+08	76	13	1.03e-01	1.01e-01	2.06e+09
79	11	1.67e-02	1.76e-02	8.13e+08	77	13	8.81e-04	1.05e-03	1.20e+07
80	11	5.45e-05	1.96e-05	1.34e+06	78	13	2.48e-02	2.80e-02	2.53e+08
36	12	1.92e-03	1.74e-03	2.05e+07	80	13	4.69e-02	4.95e-02	1.14e+09
40	12	5.73e-04	5.29e-04	9.23e+06	37	14	1.01e-04	9.71e-05	8.15e+05
41	12	1.09e-03	1.00e-03	1.18e+07	38	14	1.46e-06	4.92e-06	9.48e+03
44	12	1.21e-02	1.05e-02	1.32e+08	39	14	8.75e-06	9.92e-06	4.80e+04
46	12	1.54e-06	7.89e-07	5.09e+04	42	14	9.19e-04	8.40e-04	7.49e+06
47	12	1.26e-02	1.08e-02	2.07e+08	43	14	2.08e-04	1.98e-04	1.37e+06
48	12	4.94e-02	4.45e-02	5.47e+08	45	14	3.31e-04	2.69e-04	2.73e+06
50	12	1.77e-02	1.49e-02	2.94e+08	49	14	3.31e-04	2.70e-04	2.77e+06
51	12	2.82e-01	2.58e-01	3.16e+09	52	14	7.12e-01	6.42e-01	6.09e+09
54	12	4.43e-02	4.20e-02	1.54e+09	53	14	4.32e-02	3.90e-02	2.97e+08
55	12	6.20e-04	6.14e-04	1.11e+07	59	14	3.43e-04	2.17e-04	3.14e+06
56	12	2.31e-01	2.18e-01	8.41e+09	63	14	2.26e-03	2.32e-03	2.10e+07
57	12	2.06e-02	1.98e-02	3.72e+08	69	14	1.55e+00	1.51e+00	1.46e+10
58	12	8.45e-03	8.95e-03	1.02e+08	70	14	4.13e-02	4.19e-02	3.12e+08
60	12	2.46e-02	2.33e-02	8.96e+08	73	14	5.41e-01	5.53e-01	4.25e+09
61	12	3.10e-03	2.89e-03	5.67e+07	74	14	5.42e-03	5.73e-03	3.59e+07
62	12	1.59e-04	1.02e-04	1.95e+06	78	14	9.89e-03	9.03e-03	1.01e+08
64	12	2.30e-01	2.16e-01	4.27e+09	38	15	5.33e-04	5.09e-04	3.46e+06
65	12	6.46e-06	7.09e-08	8.01e+04	39	15	2.12e-04	2.66e-04	1.16e+06
66	12	5.76e-03	5.42e-03	2.16e+08	43	15	4.99e-03	4.68e-03	3.27e+07
67	12	3.94e-03	3.71e-03	7.41e+07	53	15	9.16e-01	8.37e-01	6.29e+09
68	12	1.67e-03	1.61e-03	2.10e+07	70	15	1.86e+00	1.81e+00	1.40e+10
71	12	1.86e-03	2.18e-03	3.62e+07	73	15	3.91e-02	3.90e-02	3.07e+08
72	12	9.05e-03	7.52e-03	1.18e+08	74	15	6.76e-01	6.82e-01	4.46e+09
75	12	8.68e-03	8.50e-03	3.46e+08	36	16	2.54e-03	2.26e-03	2.40e+07
76	12	1.15e-01	1.11e-01	2.29e+09	37	16	5.06e-05	4.29e-05	3.62e+05
77	12	1.08e-02	1.18e-02	1.48e+08	40	16	1.79e-04	1.71e-04	2.56e+06
79	12	8.91e-03	1.00e-02	4.28e+08	41	16	7.37e-08	9.47e-07	7.07e+02

Table 2. *continued*

i	j	gf_L	gf_V	A_L	i	j	gf_L	gf_V	A_L
42	16	4.78e-05	4.56e-05	3.46e+05	50	18	7.44e-03	4.90e-03	9.22e+07
44	16	7.25e-02	6.44e-02	7.06e+08	51	18	4.25e-03	2.87e-03	3.54e+07
45	16	2.74e-03	2.50e-03	2.01e+07	54	18	6.66e-05	6.32e-05	1.74e+06
47	16	1.47e-03	1.43e-03	2.16e+07	55	18	2.43e-05	2.22e-05	3.26e+05
48	16	1.71e-02	1.52e-02	1.68e+08	56	18	3.08e-04	2.19e-04	8.45e+06
49	16	1.41e-03	1.29e-03	1.05e+07	57	18	4.36e-06	1.21e-07	5.93e+04
50	16	3.94e-03	3.89e-03	5.84e+07	58	18	2.07e-02	1.81e-02	1.89e+08
51	16	2.78e-03	2.41e-03	2.77e+07	60	18	9.39e-05	1.17e-04	2.59e+06
52	16	3.89e-03	4.39e-03	2.96e+07	61	18	2.79e-04	1.82e-04	3.85e+06
55	16	1.02e-04	1.11e-04	1.63e+06	62	18	2.40e-03	2.03e-03	2.22e+07
57	16	8.63e-04	9.05e-04	1.39e+07	64	18	1.28e-02	8.58e-03	1.79e+08
58	16	7.92e-02	7.35e-02	8.56e+08	65	18	2.63e-03	1.93e-03	2.47e+07
59	16	1.19e-04	1.68e-04	9.75e+05	66	18	6.12e-05	4.55e-05	1.74e+06
61	16	2.11e-05	1.98e-06	3.44e+05	67	18	6.62e-05	3.68e-05	9.44e+05
62	16	3.36e-03	3.25e-03	3.68e+07	68	18	1.61e-04	1.13e-04	1.54e+06
63	16	9.24e-04	9.41e-04	7.67e+06	71	18	1.27e-01	1.06e-01	1.89e+09
64	16	3.45e-02	3.31e-02	5.72e+08	72	18	2.84e-02	2.37e-02	2.81e+08
65	16	1.48e-03	1.48e-03	1.64e+07	75	18	2.48e-01	2.08e-01	7.56e+09
67	16	1.81e-03	1.73e-03	3.04e+07	76	18	7.61e-02	6.40e-02	1.16e+09
68	16	9.09e-04	8.79e-04	1.03e+07	77	18	3.26e-01	2.79e-01	3.41e+09
69	16	2.29e-01	2.22e-01	1.94e+09	79	18	2.38e-01	2.27e-01	8.99e+09
71	16	8.10e-01	7.42e-01	1.42e+10	80	18	4.77e-02	4.49e-02	9.10e+08
72	16	3.94e-02	3.62e-02	4.60e+08	36	19	3.16e-05	2.22e-05	2.49e+05
76	16	1.00e-02	9.21e-03	1.80e+08	37	19	2.47e-04	1.82e-04	1.48e+06
77	16	4.04e-01	3.84e-01	4.97e+09	40	19	4.74e-05	3.76e-05	5.67e+05
78	16	1.90e-02	1.87e-02	1.74e+08	41	19	2.38e-04	1.92e-04	1.91e+06
80	16	3.76e-05	3.17e-05	8.29e+05	42	19	7.78e-06	3.52e-06	4.72e+04
36	17	1.03e-04	9.61e-05	9.81e+05	44	19	4.65e-03	3.15e-03	3.80e+07
37	17	1.46e-03	1.32e-03	1.04e+07	45	19	1.52e-02	1.07e-02	9.38e+07
38	17	1.43e-06	8.15e-07	8.28e+03	47	19	6.50e-04	4.53e-04	7.99e+06
41	17	1.27e-04	1.14e-04	1.22e+06	48	19	6.74e-04	4.86e-04	5.57e+06
42	17	1.29e-04	8.48e-05	9.36e+05	49	19	6.86e-03	4.56e-03	4.29e+07
43	17	1.10e-04	1.19e-04	6.46e+05	50	19	8.40e-04	5.41e-04	1.04e+07
44	17	9.25e-04	7.73e-04	9.03e+06	51	19	1.31e-02	8.49e-03	1.09e+08
45	17	9.33e-02	8.39e-02	6.88e+08	52	19	5.86e-06	5.54e-06	3.75e+04
48	17	2.13e-03	2.01e-03	2.11e+07	55	19	4.81e-05	7.46e-05	6.47e+05
49	17	4.81e-02	4.33e-02	3.59e+08	57	19	1.11e-03	8.62e-04	1.52e+07
51	17	1.16e-02	1.17e-02	1.16e+08	58	19	5.35e-03	4.20e-03	4.89e+07
52	17	1.62e-04	1.37e-04	1.24e+06	59	19	3.45e-02	3.03e-02	2.39e+08
53	17	4.35e-03	4.95e-03	2.68e+07	61	19	2.47e-04	2.43e-04	3.42e+06
58	17	1.72e-03	1.45e-03	1.86e+07	62	19	1.98e-04	1.22e-04	1.83e+06
59	17	9.56e-02	8.67e-02	7.84e+08	63	19	7.19e-03	6.35e-03	5.06e+07
62	17	8.55e-04	5.36e-04	9.40e+06	64	19	4.55e-05	1.50e-05	6.39e+05
63	17	1.18e-02	1.07e-02	9.82e+07	65	19	1.03e-02	6.54e-03	9.73e+07
65	17	6.83e-02	6.35e-02	7.60e+08	67	19	2.91e-04	2.18e-04	4.16e+06
68	17	2.25e-02	2.09e-02	2.55e+08	68	19	4.55e-04	2.37e-04	4.37e+06
69	17	1.02e-05	2.35e-06	8.68e+04	69	19	1.57e-04	7.58e-05	1.13e+06
70	17	2.78e-01	2.69e-01	1.89e+09	71	19	3.92e-02	3.28e-02	5.83e+08
72	17	1.12e+0	1.03e+0	1.31e+10	72	19	2.46e-01	2.04e-01	2.44e+09
73	17	3.41e-03	3.09e-03	2.42e+07	76	19	4.37e-01	3.70e-01	6.68e+09
77	17	1.07e-02	1.00e-02	1.32e+08	77	19	4.29e-02	3.66e-02	4.51e+08
78	17	5.45e-01	5.21e-01	5.00e+09	78	19	4.59e-01	3.98e-01	3.59e+09
36	18	3.77e-04	2.78e-04	2.97e+06	80	19	4.10e-01	3.84e-01	7.85e+09
40	18	3.80e-04	2.99e-04	4.54e+06	36	20	1.37e+0	1.36e+0	8.88e+08
41	18	1.68e-05	1.12e-05	1.34e+05	40	20	8.97e-01	8.15e-01	9.03e+08
44	18	7.50e-03	5.14e-03	6.10e+07	41	20	3.47e-01	3.13e-01	2.38e+08
46	18	7.82e-06	7.23e-06	1.92e+05	44	20	7.77e-02	6.88e-02	5.63e+07
47	18	4.21e-03	2.85e-03	5.16e+07	46	20	5.99e-01	5.12e-01	1.34e+09
48	18	3.69e-03	2.47e-03	3.04e+07	47	20	2.92e-01	2.48e-01	3.22e+08

Table 2. *continued*

i	j	gf_L	gf_V	A_L	i	j	gf_L	gf_V	A_L
48	20	7.33e-03	5.91e-03	5.54e+06	43	22	5.47e-01	4.92e-01	2.30e+08
50	20	4.09e-02	3.49e-02	4.68e+07	44	22	1.74e-01	1.59e-01	1.22e+08
51	20	2.20e-03	1.87e-03	1.73e+06	45	22	8.62e-02	7.43e-02	4.66e+07
54	20	2.99e-05	2.49e-05	8.08e+04	48	22	9.88e-01	8.58e-01	7.23e+08
55	20	2.31e-05	2.04e-05	3.39e+04	49	22	2.48e-01	2.10e-01	1.40e+08
56	20	5.65e-03	5.07e-03	1.78e+07	51	22	1.77e-01	1.47e-01	1.35e+08
57	20	3.27e-04	2.97e-04	5.02e+05	52	22	8.31e-03	6.31e-03	5.10e+06
58	20	4.58e-05	1.19e-05	4.74e+04	53	22	4.49e-03	3.51e-03	2.26e+06
60	20	3.38e-02	3.14e-02	1.07e+08	58	22	8.47e-03	7.42e-03	8.53e+06
61	20	1.52e-02	1.40e-02	2.43e+07	59	22	2.53e-03	2.28e-03	1.97e+06
62	20	1.26e-03	1.09e-03	1.37e+06	62	22	7.85e-02	7.41e-02	8.31e+07
64	20	1.89e-04	1.20e-04	3.15e+05	63	22	1.24e-02	1.15e-02	1.02e+07
65	20	1.09e-05	8.23e-06	1.23e+04	65	22	1.16e-03	1.30e-03	1.27e+06
66	20	8.80e-06	8.17e-06	3.06e+04	68	22	1.18e-05	7.50e-06	1.38e+04
67	20	5.34e-06	6.37e-06	9.37e+03	69	22	2.43e-04	1.51e-04	2.10e+05
68	20	5.00e-07	5.73e-07	5.97e+02	70	22	9.54e-04	6.29e-04	6.63e+05
71	20	1.55e-04	8.29e-05	3.05e+05	72	22	7.99e-05	1.51e-04	1.03e+05
72	20	1.85e-05	1.03e-05	2.43e+04	73	22	9.76e-08	4.50e-09	7.73e+01
75	20	6.54e-06	6.38e-06	2.75e+04	77	22	2.55e-07	3.27e-13	3.81e+02
76	20	1.39e-08	1.86e-07	2.93e+01	78	22	3.33e-06	5.25e-06	3.66e+03
77	20	1.29e-05	1.66e-05	1.97e+04	37	23	1.85e-02	1.84e-02	8.77e+06
79	20	5.16e-06	4.77e-06	3.69e+04	38	23	5.15e-01	5.05e-01	2.03e+08
80	20	1.07e-06	9.73e-07	3.93e+03	39	23	3.67e+0	3.53e+0	1.26e+09
36	21	3.51e-01	3.50e-01	2.25e+08	42	23	3.38e-01	3.15e-01	1.68e+08
37	21	1.80e+0	1.77e+0	8.93e+08	43	23	2.55e+0	2.30e+0	1.04e+09
40	21	3.11e-01	2.88e-01	3.09e+08	45	23	7.41e-01	6.65e-01	3.90e+08
41	21	1.06e+0	9.55e-01	7.14e+08	49	23	1.28e+0	1.11e+0	7.08e+08
42	21	5.68e-01	5.12e-01	2.96e+08	52	23	2.94e-04	2.13e-04	1.76e+05
44	21	4.63e-02	3.94e-02	3.31e+07	53	23	2.72e-02	2.05e-02	1.34e+07
45	21	4.73e-02	4.12e-02	2.60e+07	59	23	3.12e-02	2.83e-02	2.39e+07
47	21	5.42e-01	4.73e-01	5.91e+08	63	23	9.09e-02	8.77e-02	7.30e+07
48	21	3.69e-01	3.15e-01	2.75e+08	69	23	4.79e-05	6.47e-05	4.07e+04
49	21	2.56e-03	2.00e-03	1.47e+06	70	23	1.65e-04	6.46e-05	1.13e+05
50	21	3.44e-01	2.90e-01	3.88e+08	73	23	3.58e-07	5.25e-07	2.79e+02
51	21	1.44e-02	1.21e-02	1.12e+07	74	23	1.44e-05	1.21e-05	9.59e+03
52	21	4.28e-03	3.33e-03	2.67e+06	78	23	6.72e-07	1.96e-09	7.26e+02
55	21	9.60e-05	7.85e-05	1.39e+05	36	24	3.88e-02	4.36e-02	2.06e+07
57	21	1.36e-03	1.16e-03	2.07e+06	37	24	1.47e-02	1.79e-02	6.08e+06
58	21	1.09e-03	9.83e-04	1.11e+06	40	24	1.61e-02	1.92e-02	1.33e+07
59	21	5.34e-06	4.91e-08	4.23e+03	41	24	4.07e-03	4.60e-03	2.30e+06
61	21	5.86e-02	5.46e-02	9.28e+07	42	24	1.28e-03	1.50e-03	5.57e+05
62	21	1.86e-02	1.71e-02	2.00e+07	44	24	1.29e+0	1.29e+0	7.75e+08
63	21	1.01e-03	8.39e-04	8.39e+05	45	24	5.48e-02	5.47e-02	2.53e+07
64	21	4.41e-04	5.41e-04	7.28e+05	47	24	2.82e-01	2.88e-01	2.58e+08
65	21	2.59e-04	2.11e-04	2.89e+05	48	24	2.58e-01	2.48e-01	1.62e+08
67	21	2.32e-05	1.90e-05	4.03e+04	49	24	2.64e-02	2.55e-02	1.28e+07
68	21	5.38e-06	6.30e-06	6.36e+03	50	24	6.28e-01	6.19e-01	5.97e+08
69	21	4.92e-04	3.16e-04	4.33e+05	51	24	2.04e-03	1.80e-03	1.33e+06
71	21	3.11e-05	7.35e-05	6.07e+04	52	24	2.15e+0	2.01e+0	1.14e+09
72	21	1.56e-04	1.04e-04	2.03e+05	55	24	1.00e-03	9.18e-04	1.25e+06
76	21	3.51e-06	2.44e-06	7.35e+03	57	24	8.54e-03	7.99e-03	1.12e+07
77	21	9.36e-06	1.15e-05	1.42e+04	58	24	1.86e-01	1.51e-01	1.65e+08
78	21	1.59e-05	1.59e-05	1.77e+04	59	24	2.19e-02	1.75e-02	1.50e+07
80	21	4.53e-06	4.18e-06	1.66e+04	61	24	4.68e-03	4.40e-03	6.41e+06
36	22	1.82e-02	1.82e-02	1.14e+07	62	24	6.05e-03	4.62e-03	5.64e+06
37	22	5.44e-01	5.38e-01	2.64e+08	63	24	5.94e-03	4.69e-03	4.29e+06
38	22	2.49e+0	2.43e+0	1.01e+09	64	24	1.03e-01	1.02e-01	1.48e+08
41	22	4.35e-01	4.03e-01	2.88e+08	65	24	3.44e-05	2.92e-06	3.34e+04
42	22	1.57e+0	1.42e+0	8.03e+08	67	24	1.47e-03	1.47e-03	2.22e+06

Table 2. *continued*

i	j	gf_L	gf_V	A_L	i	j	gf_L	gf_V	A_L
68	24	6.37e-06	1.48e-08	6.58e+03	77	26	2.77e-02	2.71e-02	2.95e+07
69	24	2.35e-01	1.83e-01	1.81e+08	79	26	5.79e-03	5.45e-03	3.11e+07
71	24	1.69e-01	1.54e-01	2.90e+08	80	26	1.47e-03	1.28e-03	4.09e+06
72	24	1.14e-02	1.03e-02	1.31e+07	36	27	7.41e-05	1.07e-04	2.71e+04
76	24	2.00e-03	1.81e-03	3.70e+06	37	27	8.36e-04	1.10e-03	2.39e+05
77	24	8.43e-03	8.75e-03	1.13e+07	40	27	5.91e-05	7.72e-05	3.39e+04
78	24	9.55e-05	3.46e-05	9.43e+04	41	27	1.17e-04	1.36e-04	4.58e+04
80	24	6.70e-06	7.18e-06	2.23e+04	42	27	4.86e-04	4.82e-04	1.48e+05
36	25	6.68e-04	8.01e-04	3.39e+05	44	27	7.29e-03	1.01e-02	3.08e+06
37	25	1.44e-02	1.60e-02	5.67e+06	45	27	2.01e-02	3.20e-02	6.59e+06
38	25	1.44e-02	1.78e-02	4.73e+06	47	27	1.17e-05	7.38e-05	7.60e+03
41	25	7.12e-03	8.64e-03	3.84e+06	48	27	6.82e-03	6.10e-03	3.05e+06
42	25	6.97e-04	8.53e-04	2.91e+05	49	27	1.81e-01	1.82e-01	6.27e+07
43	25	1.09e-02	1.28e-02	3.73e+06	50	27	9.23e-03	9.93e-03	6.26e+06
44	25	2.20e-02	2.39e-02	1.27e+07	51	27	6.28e-02	6.46e-02	2.95e+07
45	25	1.30e+0	1.30e+0	5.76e+08	52	27	1.28e-04	1.34e-04	4.94e+04
48	25	1.21e-01	1.24e-01	7.27e+07	55	27	6.13e-01	5.47e-01	5.71e+08
49	25	7.27e-01	7.05e-01	3.39e+08	57	27	4.03e-01	3.80e-01	3.97e+08
51	25	1.23e+0	1.21e+0	7.77e+08	58	27	2.52e-01	2.45e-01	1.68e+08
52	25	9.07e-02	8.48e-02	4.63e+07	59	27	1.99e+0	1.83e+0	1.04e+09
53	25	2.75e+0	2.59e+0	1.15e+09	61	27	9.28e-03	9.44e-03	9.63e+06
58	25	2.76e-04	6.45e-04	2.36e+05	62	27	2.29e-01	2.17e-01	1.62e+08
59	25	2.25e-01	1.81e-01	1.49e+08	63	27	1.79e-01	1.67e-01	9.88e+07
62	25	1.27e-02	1.15e-02	1.15e+07	64	27	1.99e-02	2.13e-02	2.18e+07
63	25	2.48e-02	1.99e-02	1.74e+07	65	27	1.13e+0	1.04e+0	8.39e+08
65	25	1.27e-01	1.24e-01	1.19e+08	67	27	1.41e-01	1.34e-01	1.64e+08
68	25	7.61e-03	7.66e-03	7.61e+06	68	27	8.73e-02	8.07e-02	6.94e+07
69	25	2.49e-02	1.94e-02	1.85e+07	69	27	2.59e-02	2.29e-02	1.53e+07
70	25	3.51e-01	2.77e-01	2.09e+08	71	27	1.03e-02	8.40e-03	1.38e+07
72	25	2.97e-01	2.69e-01	3.29e+08	72	27	7.45e-02	5.20e-02	6.66e+07
73	25	1.79e-03	1.39e-03	1.23e+06	76	27	2.67e-03	3.36e-03	3.90e+06
77	25	6.95e-05	6.48e-05	9.08e+04	77	27	1.56e-03	1.51e-03	1.67e+06
78	25	9.79e-03	1.04e-02	9.39e+06	78	27	5.75e-02	5.49e-02	4.51e+07
36	26	1.08e-03	1.46e-03	3.89e+05	80	27	1.25e-02	1.19e-02	3.50e+07
40	26	2.33e-04	2.67e-04	1.32e+05	40	28	8.64e-05	7.05e-05	4.86e+04
41	26	2.21e-04	1.87e-04	8.59e+04	46	28	3.07e-02	2.68e-02	3.95e+07
44	26	2.33e-02	3.33e-02	9.74e+06	47	28	1.84e-02	1.55e-02	1.17e+07
46	26	4.26e-03	3.86e-03	5.53e+06	50	28	1.13e-02	9.96e-03	7.55e+06
47	26	2.59e-04	2.10e-05	1.66e+05	54	28	1.04e-03	1.20e-03	1.72e+06
48	26	8.34e-02	8.27e-02	3.69e+07	55	28	1.58e-01	1.31e-01	1.45e+08
50	26	5.08e-02	5.06e-02	3.41e+07	56	28	3.57e-02	3.46e-02	7.17e+07
51	26	4.03e-04	1.00e-04	1.88e+05	57	28	1.81e-02	1.45e-02	1.76e+07
54	26	1.55e-03	1.12e-03	2.57e+06	60	28	4.30e-01	4.12e-01	8.70e+08
55	26	2.06e-01	1.73e-01	1.91e+08	61	28	4.47e-01	4.22e-01	4.57e+08
56	26	3.68e-01	3.34e-01	7.44e+08	64	28	2.93e-02	2.72e-02	3.16e+07
57	26	1.70e-02	1.66e-02	1.66e+07	66	28	1.09e-01	1.00e-01	2.47e+08
58	26	9.15e-01	8.64e-01	6.05e+08	67	28	5.55e-01	5.06e-01	6.37e+08
60	26	1.48e-03	1.95e-03	3.02e+06	71	28	6.20e-04	4.34e-04	8.20e+05
61	26	3.81e-01	3.64e-01	3.93e+08	75	28	9.20e-04	5.68e-04	2.63e+06
62	26	2.37e-01	2.23e-01	1.66e+08	76	28	1.29e-03	9.79e-04	1.85e+06
64	26	5.03e-01	4.68e-01	5.45e+08	79	28	1.60e-06	6.95e-07	8.59e+03
65	26	3.72e-01	3.35e-01	2.74e+08	80	28	4.14e-06	1.86e-06	1.15e+04
66	26	2.31e-01	2.16e-01	5.28e+08	36	29	1.14e-03	1.53e-03	4.01e+05
67	26	3.28e-02	2.98e-02	3.78e+07	40	29	7.89e-04	7.68e-04	4.35e+05
68	26	1.59e-01	1.44e-01	1.26e+08	41	29	1.08e-04	8.52e-05	4.09e+04
71	26	4.10e-02	2.90e-02	5.45e+07	44	29	7.21e-02	8.31e-02	2.94e+07
72	26	6.91e-03	5.55e-03	6.13e+06	46	29	2.14e-03	1.85e-03	2.71e+06
75	26	6.18e-03	5.96e-03	1.78e+07	47	29	3.68e-02	3.50e-02	2.30e+07
76	26	5.13e-04	5.28e-04	7.43e+05	48	29	1.85e-03	2.98e-04	7.95e+05

Table 2. *continued*

i	j	gf_L	gf_V	A_L	i	j	gf_L	gf_V	A_L
50	29	1.51e-03	2.21e-03	9.89e+05	56	31	2.71e-04	2.91e-04	4.57e+05
51	29	1.55e-02	1.58e-02	7.03e+06	57	31	5.06e-03	6.24e-03	4.11e+06
54	29	1.83e-02	1.86e-02	2.98e+07	60	31	7.35e-05	1.57e-04	1.25e+05
55	29	1.27e-01	1.08e-01	1.15e+08	61	31	9.44e-04	1.61e-03	8.13e+05
56	29	1.71e-01	1.51e-01	3.40e+08	64	31	9.40e-03	1.49e-02	8.57e+06
57	29	1.02e-01	8.67e-02	9.77e+07	66	31	9.50e-04	6.16e-04	1.83e+06
58	29	4.01e-01	3.79e-01	2.60e+08	67	31	1.21e-03	1.51e-03	1.18e+06
60	29	1.39e-01	1.31e-01	2.78e+08	71	31	9.37e-01	8.48e-01	1.07e+09
61	29	2.24e-01	2.16e-01	2.25e+08	75	31	4.00e-01	3.71e-01	9.90e+08
62	29	9.06e-01	8.47e-01	6.23e+08	76	31	1.08e-01	1.03e-01	1.34e+08
64	29	5.57e-01	5.19e-01	5.92e+08	79	31	3.03e-03	1.45e-03	1.46e+07
65	29	4.97e-04	2.42e-04	3.58e+05	80	31	1.39e-03	6.28e-04	3.49e+06
66	29	2.69e-01	2.51e-01	6.02e+08	36	32	1.55e-05	1.65e-05	4.25e+03
67	29	1.56e-01	1.44e-01	1.76e+08	40	32	3.69e-04	3.95e-04	1.59e+05
68	29	3.89e-01	3.50e-01	3.01e+08	41	32	1.59e-03	1.73e-03	4.73e+05
71	29	2.23e-02	1.62e-02	2.91e+07	44	32	2.46e-02	2.68e-02	7.97e+06
72	29	1.54e-02	1.16e-02	1.34e+07	46	32	4.53e-08	1.16e-06	4.57e+01
75	29	9.26e-03	8.84e-03	2.62e+07	47	32	8.02e-03	8.74e-03	3.98e+06
76	29	1.23e-03	7.60e-04	1.75e+06	48	32	1.50e-02	1.63e-02	5.16e+06
77	29	3.06e-02	3.00e-02	3.20e+07	50	32	1.68e-02	1.76e-02	8.76e+06
79	29	5.99e-03	5.69e-03	3.18e+07	51	32	2.65e-01	2.88e-01	9.65e+07
80	29	1.60e-03	1.38e-03	4.41e+06	54	32	3.41e-01	3.52e-01	4.53e+08
36	30	5.43e-05	7.47e-05	1.85e+04	55	32	1.02e-04	1.38e-05	7.65e+04
37	30	5.10e-04	6.68e-04	1.36e+05	56	32	2.42e-02	2.38e-02	4.01e+07
40	30	7.04e-05	7.65e-05	3.76e+04	57	32	5.40e-03	5.63e-03	4.30e+06
41	30	4.05e-04	3.73e-04	1.48e+05	58	32	1.76e-03	1.15e-03	9.52e+05
42	30	5.28e-05	2.62e-05	1.50e+04	60	32	1.46e-03	1.21e-03	2.44e+06
44	30	1.53e-02	1.65e-02	6.03e+06	61	32	1.90e-05	1.42e-05	1.60e+04
45	30	1.20e-01	1.26e-01	3.67e+07	62	32	3.84e-03	5.54e-03	2.22e+06
47	30	3.17e-03	3.13e-03	1.92e+06	64	32	2.12e-03	3.50e-03	1.90e+06
48	30	1.51e-02	1.25e-02	6.30e+06	65	32	1.67e-02	2.69e-02	1.02e+07
49	30	4.52e-03	1.09e-03	1.47e+06	66	32	7.47e-03	6.58e-03	1.41e+07
50	30	1.87e-04	3.14e-04	1.19e+05	67	32	1.70e-03	1.91e-03	1.62e+06
51	30	3.77e-03	4.19e-03	1.66e+06	68	32	7.34e-04	1.21e-03	4.82e+05
52	30	1.13e-04	1.14e-04	4.10e+04	71	32	8.48e-02	7.34e-02	9.48e+07
55	30	1.37e-01	1.15e-01	1.21e+08	72	32	1.47e+0	1.34e+0	1.10e+09
57	30	6.33e-01	5.77e-01	5.91e+08	75	32	2.08e-01	1.91e-01	5.07e+08
58	30	2.16e-02	2.16e-02	1.37e+07	76	32	1.13e+0	1.04e+0	1.38e+09
59	30	1.22e-01	1.10e-01	6.04e+07	77	32	6.31e-03	5.97e-03	5.74e+06
61	30	7.66e-02	7.32e-02	7.54e+07	79	32	3.04e-03	1.77e-03	1.45e+07
62	30	3.44e-01	3.30e-01	2.31e+08	80	32	6.02e-03	2.58e-03	1.49e+07
63	30	2.13e+0	1.96e+0	1.12e+09	36	33	6.18e-04	6.16e-04	1.45e+05
64	30	9.89e-07	5.17e-05	1.03e+03	37	33	1.43e-05	2.58e-05	2.65e+03
65	30	2.09e-01	1.94e-01	1.47e+08	38	33	9.41e-06	1.19e-05	1.48e+03
67	30	3.49e-01	3.32e-01	3.86e+08	41	33	1.05e-06	6.76e-07	2.69e+02
68	30	1.23e+0	1.14e+0	9.31e+08	42	33	2.03e-04	2.65e-04	4.07e+04
69	30	4.23e-02	3.82e-02	2.38e+07	43	33	1.96e-05	2.22e-05	3.27e+03
71	30	4.17e-03	3.48e-03	5.33e+06	44	33	1.36e-02	1.29e-02	3.83e+06
72	30	1.34e-02	9.31e-03	1.15e+07	45	33	1.11e-04	4.01e-05	2.42e+04
76	30	1.04e-02	9.00e-03	1.45e+07	48	33	4.55e-03	4.40e-03	1.37e+06
77	30	1.02e-03	1.04e-03	1.05e+06	49	33	1.04e-04	5.65e-05	2.45e+04
78	30	4.73e-02	4.51e-02	3.56e+07	51	33	1.82e-03	1.84e-03	5.81e+05
80	30	8.40e-03	8.09e-03	2.27e+07	52	33	1.78e-01	2.05e-01	4.76e+07
40	31	2.24e-03	2.41e-03	9.95e+05	53	33	3.53e-03	3.43e-03	7.83e+05
46	31	1.58e-05	2.99e-05	1.63e+04	58	33	3.93e-02	3.34e-02	1.90e+07
47	31	4.71e-02	5.06e-02	2.40e+07	59	33	1.94e-02	1.92e-02	7.37e+06
50	31	1.06e-01	1.15e-01	5.71e+07	62	33	4.00e-03	3.41e-03	2.08e+06
54	31	1.99e-01	2.08e-01	2.71e+08	63	33	1.36e-02	1.29e-02	5.56e+06
55	31	2.76e-04	2.53e-04	2.11e+05	65	33	1.75e-03	1.48e-03	9.63e+05

Table 2. *continued*

i	j	gf_L	gf_V	A_L	i	j	gf_L	gf_V	A_L
68	33	2.22e-04	1.88e-04	1.32e+05	74	34	3.71e+0	3.51e+0	1.37e+09
69	33	2.06e+0	1.85e+0	9.08e+08	78	34	2.26e+0	2.06e+0	1.38e+09
70	33	6.05e-03	2.91e-03	2.15e+06	40	35	1.11e-08	3.18e-10	1.78e-02
72	33	3.43e-03	3.03e-03	2.33e+06	46	35	3.21e-06	3.43e-06	5.51e+01
73	33	3.03e+0	2.94e+0	1.28e+09	47	35	2.29e-06	7.54e-07	1.75e+01
77	33	1.83e+0	1.63e+0	1.53e+09	50	35	1.38e-06	4.52e-06	1.55e+01
78	33	1.29e-01	1.09e-01	7.92e+07	54	35	2.14e-05	1.72e-05	1.69e+03
37	34	3.63e-04	3.78e-04	6.74e+04	55	35	1.19e-03	9.55e-04	7.32e+04
38	34	9.00e-05	1.15e-04	1.42e+04	56	35	6.06e-03	5.49e-03	1.04e+06
39	34	1.07e-05	1.29e-05	1.52e+03	57	35	1.00e-02	8.75e-03	7.59e+05
42	34	1.17e-05	1.54e-05	2.35e+03	60	35	6.81e-04	5.75e-04	1.20e+05
43	34	1.12e-03	1.43e-03	1.87e+05	61	35	1.76e-04	1.34e-04	1.60e+04
45	34	1.78e-02	1.74e-02	3.89e+06	64	35	6.25e-04	5.78e-04	6.73e+04
49	34	1.05e-02	1.03e-02	2.48e+06	66	35	3.36e-05	3.53e-05	8.48e+03
52	34	4.77e-03	6.37e-03	1.28e+06	67	35	1.90e-05	2.39e-05	2.47e+03
53	34	2.48e-01	2.82e-01	5.50e+07	71	35	2.31e-05	8.48e-05	4.49e+03
59	34	7.78e-02	6.95e-02	2.96e+07	75	35	9.79e-04	3.02e-03	4.63e+05
63	34	2.62e-02	2.37e-02	1.07e+07	76	35	1.11e-03	4.35e-03	2.66e+05
69	34	8.27e-02	8.32e-02	3.65e+07	79	35	5.36e-01	4.92e-01	9.20e+08
70	34	2.73e+0	2.48e+0	9.71e+08	80	35	1.11e+0	9.86e-01	1.01e+09
73	34	5.97e-03	9.38e-03	2.53e+06					

Table 3: Electric quadrupole ($E2$) and magnetic dipole ($M1$) transition probabilities between the first 80 levels of Fe VI in s^{-1} in the present calculation by SUPERSTRUCTURE.

i	j	E2	M1	i	j	E2	M1	i	j	E2	M1	i	j	E2	M1
20	1	4.12e+4	6.84e-6	30	5	9.36e+3	0.0	26	10	8.54e+3	5.52e-5	33	14	6.87e+4	2.90e-3
21	1	2.68e+4	2.50e-5	31	5	0.0	2.86e-2	27	10	3.32e+3	0.0	34	14	1.68e+3	5.30e-3
22	1	2.51e+3	0.0	32	5	1.12e+2	6.88e-3	28	10	0.0	2.53e-4	22	15	1.19e+2	0.0
24	1	2.63e-1	7.50e-4	35	5	0.0	1.97e-4	29	10	8.11e+3	4.29e-6	23	15	1.49e+1	9.31e-7
25	1	3.57e-2	0.0	20	6	4.29e+3	3.09e-8	30	10	4.02e+3	0.0	25	15	5.88e+4	0.0
26	1	4.13e+3	8.11e-4	21	6	8.71e+3	1.42e-6	31	10	0.0	2.34e-4	33	15	2.31e+3	0.0
27	1	1.48e+2	7.62e-5	22	6	9.26e+3	0.0	32	10	1.07e+4	7.71e-5	34	15	6.46e+4	2.90e-3
28	1	4.20e+4	1.93e-6	24	6	1.64e+2	1.77e-7	35	10	0.0	3.08e-2	20	16	7.74e+0	1.87e-3
29	1	4.24e+3	9.91e-4	25	6	8.96e+1	0.0	20	11	2.65e+1	1.39e-4	21	16	2.15e+0	2.14e-4
30	1	2.52e+2	6.16e-5	26	6	1.03e+4	2.65e-4	21	11	7.38e+1	1.50e-4	22	16	1.96e+0	3.00e-4
31	1	3.18e+0	8.46e-6	27	6	1.35e+4	7.67e-4	22	11	1.33e+2	0.0	23	16	1.27e-1	0.0
32	1	8.58e-1	1.28e-8	28	6	5.62e+3	2.54e-3	24	11	1.74e+4	1.13e-4	24	16	4.36e+3	7.11e-6
33	1	1.58e+0	0.0	29	6	7.95e+3	4.01e-4	25	11	1.47e+3	0.0	25	16	4.18e+2	2.74e-3
35	1	1.71e+1	4.03e-8	30	6	1.09e+4	2.04e-3	26	11	9.61e+2	3.38e-4	26	16	5.33e+3	2.20e-4
20	2	3.94e+4	6.70e-5	31	6	1.01e+3	5.91e-6	27	11	1.21e+4	6.87e-4	27	16	1.29e+3	4.16e-4
21	2	2.23e+4	2.14e-6	32	6	2.00e+2	1.28e-2	28	11	1.44e+2	4.15e-5	28	16	3.22e+1	0.0
22	2	2.64e+4	5.43e-5	33	6	5.07e+0	0.0	29	11	5.10e+1	1.27e-4	29	16	4.78e+3	2.44e-4
23	2	1.58e+3	0.0	35	6	6.08e+1	5.35e-4	30	11	1.44e+4	6.58e-5	30	16	7.93e+2	2.95e-4
24	2	8.11e+1	1.59e-4	20	7	3.03e+2	1.62e-7	31	11	3.62e+4	1.53e-3	31	16	7.47e+4	0.0
25	2	8.71e+0	2.89e-4	21	7	1.82e+3	2.99e-8	32	11	8.82e+2	4.32e-3	32	16	1.05e+4	7.40e-6
26	2	1.35e+4	1.68e-3	22	7	6.14e+3	1.67e-6	33	11	7.35e+2	0.0	33	16	1.99e+4	2.94e-3
27	2	1.46e+3	1.66e-4	23	7	1.57e+4	0.0	35	11	1.35e+4	7.76e-3	34	16	1.63e+3	0.0
28	2	2.79e+4	0.0	24	7	1.35e+0	3.52e-7	20	12	1.05e+1	1.84e-4	35	16	1.65e+0	0.0
29	2	1.20e+4	1.59e-3	25	7	2.62e+1	1.38e-7	21	12	2.02e+1	1.89e-4	20	17	1.57e+0	0.0
30	2	2.16e+3	1.62e-4	26	7	1.97e+4	2.31e-3	22	12	1.15e+1	0.0	21	17	8.39e+0	4.87e-4
31	2	5.90e+1	0.0	27	7	7.67e+3	3.71e-4	24	12	4.20e+3	1.12e-4	22	17	4.52e+0	1.60e-4
32	2	1.83e+0	9.06e-6	28	7	5.16e+4	0.0	25	12	9.66e+3	0.0	23	17	2.32e+0	9.69e-4
33	2	9.02e-1	4.30e-4	29	7	1.67e+4	1.33e-3	26	12	1.58e+4	3.10e-4	24	17	8.42e+2	4.30e-3
34	2	4.37e-1	0.0	30	7	8.72e+3	1.20e-4	27	12	6.28e+2	2.44e-4	25	17	5.30e+3	2.47e-6
35	2	1.07e+1	0.0	31	7	4.13e+1	0.0	28	12	2.46e+0	8.28e-4	26	17	1.34e+3	0.0
20	3	4.85e+3	0.0	32	7	7.14e+1	2.29e-2	29	12	1.98e+4	1.02e-3	27	17	7.05e+3	1.73e-4
21	3	3.42e+4	7.43e-5	33	7	1.15e+0	1.19e-8	30	12	1.14e+3	1.46e-7	29	17	2.32e+3	0.0
22	3	3.42e+4	4.87e-7	34	7	1.33e+1	0.0	31	12	8.56e+2	1.40e-3	30	17	4.42e+3	1.16e-4
23	3	1.92e+4	5.77e-5	35	7	1.03e+2	0.0	32	12	2.18e+4	1.60e-3	32	17	6.00e+4	0.0
24	3	1.39e+1	7.62e-5	20	8	3.60e+1	0.0	33	12	1.08e+3	0.0	33	17	2.56e+3	6.63e-3
25	3	1.12e+2	5.86e-5	21	8	2.84e+1	6.92e-7	35	12	1.73e+4	7.24e-3	34	17	2.11e+4	3.02e-3
26	3	1.85e+4	0.0	22	8	3.39e+1	3.79e-6	20	13	4.21e-2	5.84e-5	20	18	9.03e-2	6.88e-5
27	3	6.86e+3	1.79e-3	23	8	4.37e+0	2.34e-7	21	13	6.17e-3	7.29e-5	21	18	1.49e+0	7.92e-5
29	3	1.70e+4	0.0	24	8	5.13e+4	1.57e-3	22	13	2.83e+0	4.27e-4	22	18	1.79e-1	0.0
30	3	9.20e+3	1.12e-3	25	8	5.08e+3	2.61e-3	23	13	3.95e+1	0.0	24	18	1.91e+3	5.14e-4
32	3	5.14e+1	0.0	26	8	2.18e+4	0.0	24	13	3.25e+3	4.91e-4	25	18	3.05e+2	0.0
33	3	3.68e+0	5.18e-4	27	8	2.78e+3	6.25e-6	25	13	1.95e+4	2.33e-4	26	18	2.74e-1	1.55e-7
34	3	1.39e-1	4.18e-4	29	8	2.42e+4	0.0	26	13	5.49e+3	1.78e-3	27	18	2.07e+1	1.74e-3
21	4	2.56e+3	0.0	30	8	1.98e+3	3.17e-6	27	13	1.80e+4	1.47e-3	28	18	1.00e-1	1.11e-6
22	4	2.33e+4	3.83e-5	32	8	1.50e+2	0.0	28	13	1.86e+2	0.0	29	18	1.03e+1	1.57e-6
23	4	6.63e+4	3.92e-7	33	8	2.98e+4	3.66e-9	29	13	7.66e+3	8.91e-6	30	18	6.96e+0	1.15e-3
24	4	6.64e+0	0.0	34	8	2.61e+3	3.57e-6	30	13	1.38e+4	2.22e-3	31	18	1.75e+4	2.77e-6
25	4	1.56e+1	9.41e-4	21	9	5.39e+1	0.0	31	13	6.57e+3	0.0	32	18	9.36e+3	2.45e-6
27	4	2.07e+4	0.0	22	9	1.80e+1	6.01e-6	32	13	1.20e+4	1.77e-3	33	18	7.33e+3	0.0
30	4	2.88e+4	0.0	23	9	5.95e+1	1.57e-7	33	13	1.55e+2	2.46e-6	35	18	4.70e+4	5.07e-8
33	4	7.33e-1	2.94e-5	24	9	1.07e+4	0.0	34	13	2.05e+3	0.0	20	19	6.10e-2	1.49e-5
34	4	1.21e+1	1.19e-3	25	9	4.87e+4	1.31e-3	35	13	4.51e+4	0.0	21	19	8.13e-1	5.63e-6
20	5	1.07e+4	1.55e-7	27	9	2.20e+4	0.0	21	14	1.09e+2	0.0	22	19	2.28e+0	6.04e-5
21	5	4.78e+3	0.0	30	9	1.72e+4	0.0	22	14	2.36e+1	6.08e-7	23	19	3.46e-2	0.0
24	5	2.55e+1	0.0	33	9	8.36e+2	8.76e-5	23	14	2.01e+0	2.23e-6	24	19	4.45e+2	1.69e-3
26	5	9.80e+2	2.75e-4	34	9	3.35e+4	1.05e-4	24	14	5.53e+4	0.0	25	19	2.46e+3	8.39e-4
27	5	8.16e+3	0.0	20	10	3.97e+1	1.06e-7	25	14	5.14e+3	7.81e-6	26	19	3.22e+1	1.91e-3
28	5	0.0	2.17e-5	21	10	2.69e+1	0.0	27	14	8.39e+2	0.0	27	19	6.67e+0	9.49e-6
29	5	2.04e+3	1.39e-3	24	10	6.36e+3	0.0	30	14	5.22e+2	0.0	28	19	8.86e+0	0.0

Table 4. *continued*

i	j	E2	M1	i	j	E2	M1	i	j	E2	M1	i	j	E2	M1
29	19	7.14e+1	2.05e-03	26	25	4.47e-05	0.0	58	36	2.05e-03	9.51e-02	42	38	2.53e-09	2.82e-06
30	19	3.10e-01	3.11e-06	27	25	1.17e-05	3.23e-02	59	36	4.75e-04	1.43e-03	43	38	1.24e-06	1.00e-03
31	19	1.10e+4	0.0	29	25	4.16e-05	0.0	60	36	6.83e-01	0.0	44	38	6.88e-07	0.0
32	19	2.20e+4	6.35e-05	30	25	5.53e-05	2.60e-02	61	36	2.27e-01	2.21e-03	45	38	4.98e-06	1.09e-02
33	19	1.20e+3	7.09e-06	32	25	4.45e-02	0.0	62	36	3.80e-02	1.10e-03	48	38	1.27e-04	0.0
34	19	7.90e+3	0.0	33	25	2.43e-08	1.93e-01	63	36	2.57e-03	1.73e-04	49	38	2.55e-04	2.17e-02
35	19	6.88e+4	0.0	34	25	8.94e-04	7.38e-02	64	36	4.98e-04	5.36e-05	51	38	2.46e-04	0.0
21	20	5.05e-11	6.29e-03	27	26	2.21e-11	6.09e-04	65	36	1.79e-04	2.81e-03	52	38	1.86e-05	7.62e-05
24	20	3.87e-08	4.11e-02	29	26	2.22e-09	1.19e-02	66	36	1.13e-04	0.0	53	38	9.39e-05	7.68e-03
25	20	7.73e-10	0.0	30	26	3.86e-08	3.50e-03	67	36	4.73e-05	8.24e-06	58	38	1.56e-02	0.0
26	20	6.85e-03	1.14e-01	31	26	3.99e-07	1.98e-02	68	36	9.80e-05	4.65e-04	59	38	1.66e-02	6.25e-02
27	20	2.93e-04	8.87e-03	32	26	3.34e-08	6.25e-02	69	36	3.59e-03	9.06e-04	62	38	3.52e-01	0.0
28	20	6.44e-02	1.46e-04	33	26	4.78e-04	0.0	70	36	6.10e-05	0.0	63	38	8.89e-02	2.01e-02
29	20	6.38e-03	1.07e-01	35	26	7.87e+0	2.13e+0	71	36	2.88e-02	8.40e-04	65	38	1.82e-03	0.0
30	20	4.26e-04	5.09e-03	29	27	3.48e-09	1.17e-05	72	36	5.71e-03	4.09e-04	68	38	8.75e-04	0.0
31	20	8.07e-05	3.66e-04	30	27	1.05e-08	7.74e-02	73	36	1.98e-03	0.0	69	38	5.62e-05	8.00e-04
32	20	4.06e-05	3.25e-04	31	27	2.09e-07	0.0	75	36	4.81e-02	0.0	70	38	4.28e-04	5.75e-03
33	20	3.01e-04	0.0	32	27	1.13e-06	1.57e-02	76	36	4.99e-03	1.53e-05	72	38	7.47e-03	0.0
35	20	3.37e-02	8.52e-08	33	27	8.18e-05	9.82e-06	77	36	1.14e-02	2.61e-02	73	38	6.69e-05	1.27e-01
22	21	3.26e-10	1.95e-02	34	27	7.42e-04	0.0	78	36	1.18e-04	8.20e-04	74	38	4.32e-04	1.40e-01
24	21	2.75e-09	4.81e-03	35	27	1.50e+1	0.0	79	36	7.52e-01	0.0	77	38	4.63e-04	0.0
25	21	5.83e-09	1.52e-02	29	28	4.40e-11	1.93e-03	80	36	9.73e-02	9.59e-06	78	38	1.21e-05	2.27e-02
26	21	1.55e-02	1.54e-01	30	28	3.96e-08	0.0	38	37	5.40e-07	1.40e-01	43	39	7.97e-10	1.69e-05
27	21	1.90e-03	3.57e-02	31	28	0.0	6.76e-03	39	37	1.73e-06	0.0	45	39	1.18e-07	0.0
28	21	3.76e-02	0.0	32	28	1.63e-07	1.92e-03	40	37	1.46e-13	0.0	49	39	5.25e-05	0.0
29	21	2.01e-02	1.81e-01	35	28	0.0	8.32e-01	41	37	6.35e-08	5.57e-05	52	39	6.36e-07	0.0
30	21	3.84e-03	1.78e-02	30	29	3.69e-09	1.03e-02	42	37	4.36e-06	2.78e-03	53	39	7.50e-05	3.83e-03
31	21	4.36e-04	0.0	31	29	1.14e-06	1.23e-02	43	37	6.10e-06	1.88e-03	59	39	4.43e-02	0.0
32	21	6.45e-07	1.72e-03	32	29	9.65e-07	1.72e-02	44	37	4.29e-06	2.32e-02	63	39	3.21e-01	0.0
33	21	4.33e-07	1.07e-01	33	29	3.48e-04	0.0	45	37	2.97e-05	8.23e-03	69	39	7.96e-04	0.0
34	21	1.90e-04	0.0	35	29	7.65e+0	2.38e+0	47	37	1.62e-04	0.0	70	39	1.53e-05	2.12e-03
35	21	2.61e-02	0.0	31	30	1.06e-08	0.0	48	37	5.86e-04	1.99e-02	73	39	2.77e-05	6.91e-03
23	22	8.04e-10	2.55e-02	32	30	5.28e-07	1.77e-02	49	37	7.39e-05	4.13e-03	74	39	3.28e-04	3.18e-01
24	22	3.46e-09	7.63e-03	33	30	2.14e-05	2.34e-06	50	37	7.70e-04	0.0	78	39	7.32e-04	0.0
25	22	1.13e-08	4.03e-03	34	30	1.96e-04	0.0	51	37	6.03e-05	4.53e-03	41	40	4.30e-08	2.19e-02
26	22	1.86e-02	0.0	35	30	8.36e+0	0.0	52	37	1.66e-04	6.38e-03	42	40	4.79e-07	0.0
27	22	5.69e-03	1.77e-01	32	31	2.26e-09	3.32e-03	53	37	4.17e-04	1.21e-02	44	40	1.02e-05	4.99e-05
29	22	2.23e-02	0.0	35	31	0.0	1.88e+0	55	37	1.85e-05	0.0	45	40	4.44e-06	0.0
30	22	1.57e-02	1.31e-01	35	32	8.31e-02	7.91e-01	57	37	2.09e-03	0.0	46	40	1.11e-04	2.31e-02
32	22	1.98e-04	0.0	37	36	1.74e-07	7.65e-02	58	37	1.33e-02	1.01e-01	47	40	7.41e-05	2.93e-02
33	22	6.21e-05	1.11e-01	38	36	6.73e-07	0.0	59	37	9.84e-07	2.19e-02	48	40	2.92e-05	3.85e-03
34	22	1.14e-05	1.36e-01	40	36	8.42e-07	9.21e-04	61	37	4.30e-01	0.0	49	40	3.17e-08	0.0
24	23	5.95e-09	0.0	41	36	6.22e-06	2.98e-03	62	37	1.62e-01	1.35e-02	50	40	6.64e-05	3.51e-03
25	23	4.67e-08	2.42e-02	42	36	8.53e-06	1.94e-03	63	37	2.10e-02	7.67e-04	51	40	2.03e-05	1.75e-03
27	23	1.39e-02	0.0	43	36	1.19e-06	0.0	64	37	9.26e-04	0.0	52	40	5.18e-04	0.0
30	23	3.74e-02	0.0	44	36	8.13e-05	5.41e-02	65	37	1.25e-03	5.12e-03	54	40	6.71e-08	1.89e-05
33	23	1.47e-05	7.90e-03	45	36	2.00e-05	1.93e-03	67	37	3.68e-04	0.0	55	40	1.11e-04	2.48e-03
34	23	1.69e-04	3.02e-01	46	36	2.90e-03	0.0	68	37	1.06e-04	1.07e-03	56	40	2.87e-03	1.71e-03
25	24	3.25e-09	4.16e-02	47	36	7.79e-04	3.51e-03	69	37	2.39e-03	5.00e-04	57	40	4.15e-04	2.08e-02
26	24	5.67e-06	5.71e-02	48	36	1.38e-04	9.67e-03	70	37	1.31e-03	1.32e-02	58	40	7.47e-05	3.09e-02
27	24	2.13e-05	1.06e-01	49	36	1.30e-06	1.06e-03	71	37	1.60e-02	0.0	59	40	4.18e-05	0.0
28	24	1.41e-06	0.0	50	36	2.67e-04	1.71e-03	72	37	7.43e-03	4.08e-05	60	40	5.39e-04	1.29e-02
29	24	4.68e-05	5.13e-02	51	36	3.92e-05	5.94e-04	73	37	3.07e-05	1.32e-01	61	40	1.02e-03	1.20e-03
30	24	4.84e-05	5.66e-02	52	36	1.41e-03	1.90e-02	74	37	1.28e-03	0.0	62	40	3.13e-04	2.82e-03
31	24	6.61e-02	0.0	53	36	7.06e-05	0.0	76	37	7.01e-03	0.0	63	40	1.01e-04	0.0
32	24	1.17e-02	2.67e-03	54	36	1.48e-06	0.0	77	37	3.87e-04	4.36e-02	64	40	7.82e-04	3.14e-01
33	24	6.73e-04	1.02e-01	55	36	7.48e-06	1.49e-05	78	37	3.12e-03	5.53e-03	65	40	7.30e-05	2.09e-02
34	24	3.74e-04	0.0	56	36	5.37e-02	0.0	80	37	2.42e-01	0.0	66	40	1.64e-01	2.72e-05
35	24	1.00e-01	0.0	57	36	9.99e-04	1.58e-04	39	38	1.50e-06	1.67e-01	67	40	4.18e-02	1.14e-02

Table 4. *continued*

i	j	E2	M1	i	j	E2	M1	i	j	E2	M1	i	j	E2	M1
68	40	3.49e-3	3.79e-3	57	42	1.69e-4	0.0	64	44	1.52e-2	5.24e-2	71	46	3.06e-4	1.45e-1
69	40	7.22e-3	0.0	58	42	2.13e-4	9.14e-6	65	44	3.77e-2	1.45e-1	72	46	7.43e-7	0.0
71	40	1.93e-3	5.32e-3	59	42	1.07e-4	2.23e-3	66	44	3.90e-3	0.0	75	46	0.0	2.88e-3
72	40	1.81e-4	1.77e-4	61	42	6.67e-3	0.0	67	44	3.29e-4	1.61e-5	76	46	9.44e-4	2.05e-4
75	40	4.90e-2	5.24e-4	62	42	1.91e-4	9.61e-3	68	44	2.05e-2	1.68e-3	77	46	3.18e-3	0.0
76	40	2.25e-2	9.54e-5	63	42	1.68e-5	1.50e-4	69	44	5.39e-2	2.52e-2	79	46	0.0	7.44e-3
77	40	2.08e-3	2.85e-2	64	42	4.20e-3	0.0	70	44	1.13e-2	0.0	80	46	1.16e-4	9.15e-4
78	40	1.12e-5	0.0	65	42	7.44e-3	4.44e-1	71	44	1.65e-1	2.58e-5	48	47	9.11e-10	2.71e-2
79	40	6.68e-3	4.82e-4	67	42	1.02e-1	0.0	72	44	9.23e-2	6.37e-3	49	47	2.23e-8	0.0
80	40	1.18e-3	1.68e-3	68	42	5.71e-2	6.87e-2	73	44	4.79e-2	0.0	50	47	4.44e-8	1.16e-2
42	41	1.52e-7	4.54e-2	69	42	1.05e-3	2.27e-2	75	44	2.04e+0	0.0	51	47	4.20e-8	1.40e-5
43	41	7.81e-7	0.0	70	42	2.72e-5	2.77e-2	76	44	6.89e-3	3.23e-4	52	47	5.23e-4	0.0
44	41	1.01e-7	1.34e-3	71	42	5.42e-3	0.0	77	44	2.04e-1	3.94e-3	54	47	1.88e-4	1.95e-3
45	41	6.77e-6	7.76e-4	72	42	6.70e-4	3.13e-2	78	44	7.95e-3	1.35e-2	55	47	7.78e-5	7.95e-3
46	41	8.08e-5	0.0	73	42	7.16e-4	3.55e-3	79	44	8.87e+0	0.0	56	47	1.12e-3	2.34e-1
47	41	7.14e-7	4.17e-3	74	42	3.51e-4	0.0	80	44	9.01e-1	1.69e-2	57	47	2.11e-4	3.14e-2
48	41	9.37e-5	8.57e-3	76	42	2.72e-3	0.0	48	45	4.63e-9	5.54e-4	58	47	3.15e-8	9.61e-3
49	41	1.88e-5	2.76e-3	77	42	1.94e-3	9.80e-3	49	45	1.66e-6	4.70e-2	59	47	2.45e-4	0.0
50	41	2.90e-5	3.96e-2	78	42	9.59e-4	2.82e-3	50	45	5.20e-9	0.0	60	47	5.84e-5	2.87e-2
51	41	2.01e-5	3.10e-4	80	42	2.33e-6	0.0	51	45	8.07e-6	4.53e-2	61	47	1.73e-4	2.85e-2
52	41	3.04e-5	6.10e-2	44	43	8.22e-13	0.0	52	45	1.28e-4	2.60e-3	62	47	4.22e-4	1.10e-3
53	41	2.41e-4	0.0	45	43	8.52e-8	2.18e-5	53	45	2.44e-3	1.84e-3	63	47	8.92e-5	0.0
54	41	1.21e-5	0.0	48	43	2.08e-6	0.0	55	45	1.63e-3	0.0	64	47	1.49e-2	3.36e-2
55	41	1.44e-4	3.56e-3	49	43	2.27e-5	3.79e-3	57	45	1.21e-2	0.0	65	47	1.61e-3	1.05e-2
56	41	1.80e-3	0.0	51	43	3.95e-6	0.0	58	45	4.57e-3	2.32e-3	66	47	2.20e-2	1.71e-3
57	41	3.72e-4	3.98e-2	52	43	1.05e-5	2.03e-3	59	45	5.27e-2	1.01e-1	67	47	9.98e-3	5.85e-3
58	41	2.48e-4	3.57e-3	53	43	1.87e-4	1.25e-1	61	45	4.33e-5	0.0	68	47	1.24e-2	1.82e-5
59	41	2.69e-8	4.82e-3	58	43	1.90e-4	0.0	62	45	4.46e-3	4.98e-2	69	47	5.45e-2	0.0
60	41	6.79e-3	0.0	59	43	5.75e-4	6.49e-2	63	45	1.49e-2	1.29e-2	71	47	7.19e-2	3.83e-2
61	41	3.39e-5	1.25e-2	62	43	3.94e-3	0.0	64	45	2.35e-4	0.0	72	47	1.42e-2	7.09e-3
62	41	2.30e-4	2.36e-3	63	43	4.08e-4	3.78e-3	65	45	3.74e-3	3.28e-2	75	47	5.41e-1	5.00e-3
63	41	9.93e-5	3.71e-4	65	43	2.25e-2	0.0	67	45	7.77e-3	0.0	76	47	2.54e-1	4.14e-5
64	41	2.74e-3	5.44e-1	68	43	1.26e-1	0.0	68	45	2.39e-2	1.44e-2	77	47	7.07e-2	1.10e-2
65	41	1.59e-4	5.51e-2	69	43	6.41e-4	1.69e-5	69	45	2.15e-2	6.94e-2	78	47	2.14e-5	0.0
66	41	9.23e-2	0.0	70	43	3.24e-3	6.15e-2	70	45	3.78e-2	3.48e-2	79	47	4.38e-3	1.41e-4
67	41	9.47e-2	1.54e-2	72	43	1.62e-2	0.0	71	45	7.86e-2	0.0	80	47	2.45e-2	4.32e-2
68	41	2.09e-2	1.09e-2	73	43	3.58e-5	1.61e-3	72	45	1.73e-1	1.15e-1	49	48	1.02e-9	2.77e-2
69	41	1.86e-4	3.09e-2	74	43	4.23e-3	9.20e-3	73	45	1.54e-3	2.03e-3	50	48	6.11e-10	5.08e-4
70	41	3.28e-3	0.0	77	43	8.84e-4	0.0	74	45	5.47e-2	0.0	51	48	3.23e-8	8.36e-3
71	41	8.15e-4	2.83e-2	78	43	8.35e-3	4.84e-2	76	45	6.02e-1	0.0	52	48	7.45e-5	2.52e-5
72	41	3.76e-4	1.00e-3	45	44	2.84e-10	1.29e-2	77	45	1.47e-2	4.24e-2	53	48	2.01e-4	0.0
73	41	1.24e-6	0.0	46	44	5.29e-8	0.0	78	45	8.72e-2	1.14e-1	54	48	8.78e-6	0.0
75	41	5.74e-3	0.0	47	44	5.84e-9	2.28e-3	80	45	5.77e+0	0.0	55	48	2.69e-7	2.26e-2
76	41	2.62e-2	5.06e-5	48	44	5.21e-7	3.98e-2	47	46	4.95e-10	3.50e-3	56	48	1.31e-2	0.0
77	41	1.36e-4	2.03e-3	49	44	3.56e-7	3.62e-3	50	46	4.44e-9	1.60e-2	57	48	1.15e-4	1.91e-1
78	41	6.60e-4	2.33e-2	50	44	4.77e-6	1.30e-3	51	46	3.47e-8	0.0	58	48	9.39e-3	2.80e-2
79	41	1.49e-3	0.0	51	44	6.51e-9	1.89e-2	54	46	0.0	2.06e-3	59	48	1.94e-3	2.93e-2
80	41	4.44e-3	9.21e-4	52	44	3.03e-3	1.80e-3	55	46	1.82e-5	4.57e-3	60	48	2.69e-5	0.0
43	42	1.63e-7	3.30e-2	53	44	8.89e-5	0.0	56	46	0.0	1.02e-1	61	48	1.24e-5	3.63e-6
44	42	9.94e-9	3.55e-4	54	44	2.26e-4	0.0	57	46	1.93e-5	2.69e-2	62	48	3.07e-4	8.94e-3
45	42	8.03e-7	8.07e-4	55	44	8.14e-4	1.18e-2	58	46	1.21e-4	0.0	63	48	2.82e-5	2.12e-3
47	42	2.42e-6	0.0	56	44	4.43e-2	0.0	60	46	0.0	1.16e-2	64	48	5.93e-3	4.84e-2
48	42	5.46e-6	2.72e-3	57	44	6.53e-3	1.10e-1	61	46	2.22e-4	2.09e-3	65	48	2.44e-3	1.27e-2
49	42	6.89e-5	1.14e-3	58	44	5.12e-2	4.19e-3	62	46	4.33e-5	0.0	66	48	3.05e-2	0.0
50	42	2.23e-5	0.0	59	44	1.17e-2	6.31e-2	64	46	4.70e-4	5.36e-3	67	48	6.54e-4	2.81e-3
51	42	1.93e-5	2.44e-2	60	44	8.39e-6	0.0	65	46	3.25e-4	0.0	68	48	1.39e-2	1.50e-2
52	42	5.31e-5	5.12e-2	61	44	2.45e-3	7.67e-2	66	46	0.0	1.56e-3	69	48	1.90e-3	1.55e-2
53	42	2.22e-6	6.32e-2	62	44	5.43e-3	7.57e-2	67	46	2.21e-2	2.18e-4	70	48	1.49e-2	0.0
55	42	6.23e-6	0.0	63	44	4.06e-3	6.06e-3	68	46	1.84e-3	0.0	71	48	5.62e-2	5.23e-2

Table 4. *continued*

i	j	E2	M1	i	j	E2	M1	i	j	E2	M1	i	j	E2	M1
72	48	1.25e-4	4.59e-2	53	51	2.84e-4	0.0	74	53	2.20e-1	2.00e-1	80	56	1.32e-3	5.63e-2
73	48	7.29e-3	0.0	54	51	7.84e-5	0.0	77	53	4.00e-2	0.0	58	57	8.97e-10	1.03e-5
75	48	5.28e-2	0.0	55	51	9.91e-5	9.54e-7	78	53	3.31e-1	4.64e-2	59	57	8.23e-6	0.0
76	48	2.75e-1	3.07e-6	56	51	4.64e-3	0.0	55	54	1.21e-8	4.25e-4	60	57	1.83e-7	6.74e-4
77	48	1.62e-2	5.66e-2	57	51	1.87e-3	2.84e-6	56	54	0.0	1.39e-1	61	57	8.87e-7	4.83e-4
78	48	1.78e-2	2.06e-1	58	51	2.20e-3	4.46e-2	57	54	1.96e-6	1.47e-2	62	57	6.60e-6	1.00e-2
79	48	2.20e+0	0.0	59	51	2.86e-8	2.49e-2	58	54	3.61e-5	0.0	63	57	1.71e-4	0.0
80	48	4.53e-1	3.70e-2	60	51	3.05e-4	0.0	60	54	0.0	9.95e-3	64	57	1.08e-5	5.86e-2
51	49	3.25e-9	1.36e-4	61	51	5.13e-5	3.29e-2	61	54	1.32e-5	2.12e-4	65	57	2.18e-4	3.20e-2
52	49	5.59e-6	1.15e-5	62	51	1.15e-4	3.72e-2	62	54	9.87e-5	0.0	66	57	1.94e-5	8.94e-4
53	49	1.74e-4	5.13e-4	63	51	4.22e-4	9.03e-2	64	54	1.24e-3	1.37e-2	67	57	3.38e-5	4.99e-2
55	49	3.61e-4	0.0	64	51	2.85e-3	3.35e-3	65	54	4.21e-4	0.0	68	57	6.66e-5	2.13e-3
57	49	5.60e-3	0.0	65	51	2.60e-2	1.77e-3	66	54	0.0	7.02e-2	69	57	1.98e-4	0.0
58	49	1.77e-3	4.01e-4	66	51	1.01e-2	0.0	67	54	1.79e-6	2.79e-1	71	57	1.26e-3	7.22e-5
59	49	1.93e-2	4.28e-2	67	51	2.18e-3	2.02e-2	68	54	1.40e-4	0.0	72	57	7.65e-5	2.94e-8
61	49	4.30e-5	0.0	68	51	7.01e-5	1.08e-1	71	54	3.40e-1	1.33e-3	75	57	6.40e-3	3.10e-2
62	49	1.21e-4	2.35e-5	69	51	1.94e-3	2.06e-3	72	54	3.13e-1	0.0	76	57	3.79e-4	7.07e-2
63	49	2.14e-3	8.80e-2	70	51	8.73e-2	0.0	75	54	0.0	1.93e-1	77	57	1.16e-2	3.03e-3
64	49	2.85e-4	0.0	71	51	2.61e-2	2.66e-2	76	54	7.85e-3	2.08e-2	78	57	1.32e-1	0.0
65	49	9.76e-3	3.62e-2	72	51	7.31e-2	6.77e-4	77	54	5.08e-5	0.0	79	57	2.40e-1	5.75e-1
67	49	1.81e-2	0.0	73	51	3.38e-4	0.0	79	54	0.0	2.88e-1	80	57	2.82e-2	5.39e-2
68	49	4.79e-3	8.36e-4	75	51	4.74e-1	0.0	80	54	2.40e-3	6.22e-2	59	58	3.45e-7	4.34e-2
69	49	5.96e-3	5.32e-2	76	51	1.75e+0	1.08e-2	56	55	4.77e-6	8.96e-2	61	58	1.46e-7	9.93e-3
70	49	9.19e-3	9.98e-3	77	51	1.12e-2	1.43e-1	57	55	1.35e-7	4.86e-2	62	58	5.67e-7	4.74e-2
71	49	3.18e-2	0.0	78	51	1.32e-1	1.27e-2	58	55	3.19e-6	5.49e-5	63	58	1.93e-7	3.28e-3
72	49	9.13e-2	6.72e-2	79	51	1.53e-1	0.0	59	55	1.57e-4	0.0	64	58	2.60e-4	6.94e-3
73	49	6.58e-4	6.11e-4	80	51	1.88e-1	3.08e-2	60	55	7.09e-5	6.43e-3	65	58	2.40e-4	2.20e-2
74	49	2.25e-2	0.0	53	52	2.01e-8	1.41e-2	61	55	1.33e-4	7.27e-4	66	58	1.63e-4	0.0
76	49	2.26e-1	0.0	55	52	1.25e-5	0.0	62	55	3.74e-4	1.69e-3	67	58	4.87e-5	5.47e-6
77	49	7.64e-3	8.34e-2	57	52	4.31e-4	0.0	63	55	1.02e-3	0.0	68	58	3.07e-6	3.75e-5
78	49	4.15e-2	1.92e-1	58	52	2.05e-3	3.88e-2	64	55	2.30e-7	1.23e-2	69	58	4.88e-4	5.79e-2
80	49	3.98e+0	0.0	59	52	9.04e-4	1.09e-1	65	55	3.52e-5	1.80e-2	70	58	1.34e-5	0.0
51	50	1.36e-9	2.77e-2	61	52	3.06e-4	0.0	66	55	1.33e-6	4.44e-2	71	58	4.32e-3	1.80e-2
52	50	2.27e-4	0.0	62	52	1.20e-4	2.14e-3	67	55	4.52e-6	3.73e-4	72	58	1.90e-3	5.24e-2
54	50	1.57e-4	1.35e-3	63	52	6.75e-4	1.42e-2	68	55	5.38e-5	1.70e-2	73	58	1.68e-4	0.0
55	50	1.40e-5	1.15e-3	64	52	3.77e-2	0.0	69	55	2.84e-5	0.0	75	58	6.03e-3	0.0
56	50	2.57e-3	1.60e-1	65	52	6.24e-4	4.01e-3	71	55	7.33e-5	9.19e-3	76	58	6.41e-4	7.55e-3
57	50	2.50e-4	1.01e-2	67	52	1.83e-3	0.0	72	55	6.84e-4	4.19e-4	77	58	1.91e-3	1.46e-2
58	50	9.66e-6	4.15e-2	68	52	1.94e-4	4.74e-4	75	55	1.52e-3	8.61e-2	78	58	1.58e-3	1.86e-2
59	50	1.54e-5	0.0	69	52	7.02e-2	8.57e-3	76	55	6.19e-5	2.89e-1	79	58	3.69e+1	0.0
60	50	5.55e-4	2.08e-1	70	52	3.74e-3	2.29e-3	77	55	3.06e-3	2.38e-4	80	58	4.89e+0	4.41e-2
61	50	3.22e-4	2.94e-2	71	52	1.06e+0	0.0	78	55	2.61e-2	0.0	62	59	1.15e-8	8.46e-4
62	50	4.08e-6	2.55e-2	72	52	1.01e-1	5.18e-4	79	55	5.96e-2	4.93e-2	63	59	3.41e-8	6.67e-2
63	50	3.95e-4	0.0	73	52	1.75e-1	1.72e-1	80	55	3.25e-6	3.56e-1	64	59	6.74e-7	0.0
64	50	2.85e-2	1.08e-3	74	52	1.34e-2	0.0	57	56	2.17e-8	3.75e-2	65	59	6.96e-5	9.98e-3
65	50	1.22e-2	2.72e-2	76	52	3.25e-2	0.0	60	56	0.0	2.14e-5	67	59	1.03e-4	0.0
66	50	5.74e-3	2.39e-2	77	52	4.10e-1	5.23e-2	61	56	3.23e-10	8.82e-4	68	59	1.10e-5	7.77e-4
67	50	5.49e-3	3.68e-2	78	52	6.52e-2	9.80e-2	62	56	2.67e-8	0.0	69	59	3.21e-6	3.68e-2
68	50	1.17e-3	3.23e-3	80	52	1.65e-1	0.0	64	56	7.30e-6	9.72e-3	70	59	1.36e-4	2.56e-2
69	50	7.14e-2	0.0	58	53	5.48e-5	0.0	65	56	2.29e-5	0.0	71	59	4.58e-4	0.0
71	50	1.31e-1	1.76e-2	59	53	1.80e-3	3.89e-2	66	56	0.0	3.09e-2	72	59	1.93e-3	4.21e-2
72	50	2.17e-2	9.20e-2	62	53	4.42e-4	0.0	67	56	8.26e-5	4.29e-3	73	59	1.43e-3	3.49e-3
75	50	1.06e+0	3.20e-3	63	53	4.87e-4	1.00e-2	68	56	4.90e-9	0.0	74	59	1.02e-3	0.0
76	50	3.95e-1	7.73e-3	65	53	2.37e-2	0.0	71	56	1.06e-4	8.91e-4	76	59	1.73e-4	0.0
77	50	9.33e-2	1.22e-1	68	53	6.14e-3	0.0	72	56	5.75e-4	0.0	77	59	1.37e-2	3.29e-2
78	50	6.75e-3	0.0	69	53	8.63e-3	9.78e-4	75	56	0.0	1.49e-2	78	59	9.09e-6	4.40e-2
79	50	5.19e-3	1.27e-1	70	53	6.58e-2	3.48e-4	76	56	2.03e-3	2.93e-2	80	59	2.71e+1	0.0
80	50	2.67e-2	6.59e-2	72	53	8.92e-1	0.0	77	56	8.72e-2	0.0	61	60	6.31e-10	2.11e-3
52	51	1.35e-7	1.22e-7	73	53	3.88e-4	3.50e-1	79	56	0.0	8.39e-2	62	60	1.21e-7	0.0

Table 4. *continued*

i	j	E2	M1	i	j	E2	M1	i	j	E2	M1	i	j	E2	M1
64	60	2.25e-7	2.60e-3	76	62	1.70e-3	1.08e-1	76	65	3.28e-3	1.35e-1	77	69	1.57e-1	1.33e-1
65	60	1.06e-7	0.0	77	62	2.59e-4	2.39e-2	77	65	4.47e-3	3.05e-2	78	69	1.66e-2	2.05e-1
66	60	0.0	1.26e-4	78	62	7.67e-5	2.44e-2	78	65	1.99e-2	1.40e-2	80	69	5.28e-1	0.0
67	60	9.83e-4	2.30e-3	79	62	1.85e+0	0.0	79	65	2.90e-1	0.0	72	70	1.59e-4	0.0
68	60	2.14e-4	0.0	80	62	5.31e-1	1.06e+0	80	65	3.76e+0	3.44e-1	73	70	1.17e-5	7.59e-2
71	60	1.85e-4	1.98e-2	64	63	1.96e-11	0.0	67	66	2.22e-10	1.94e-3	74	70	1.15e-2	6.52e-2
72	60	9.51e-7	0.0	65	63	1.14e-11	1.01e-5	68	66	4.59e-7	0.0	77	70	1.67e-3	0.0
75	60	0.0	5.50e-2	67	63	2.04e-5	0.0	71	66	1.67e-6	1.06e-3	78	70	1.04e-1	1.06e-1
76	60	1.21e-4	3.47e-3	68	63	1.96e-4	6.03e-4	72	66	1.81e-5	0.0	75	71	3.95e-4	1.45e-2
77	60	9.48e-3	0.0	69	63	2.87e-7	1.10e-2	75	66	0.0	3.10e-2	76	71	1.96e-4	2.93e-2
79	60	0.0	3.28e-1	70	63	1.71e-6	2.81e-3	76	66	8.64e-5	1.28e-2	77	71	1.07e-4	1.52e-2
80	60	2.95e-3	1.44e-1	71	63	1.42e-6	0.0	77	66	1.47e-4	0.0	78	71	4.88e-6	0.0
62	61	3.95e-8	2.74e-2	72	63	1.75e-6	1.73e-3	79	66	0.0	7.43e-1	79	71	7.85e-1	4.69e-1
63	61	2.19e-6	0.0	73	63	2.37e-4	9.98e-4	80	66	1.13e-3	2.15e-1	80	71	2.56e-1	6.17e-1
64	61	5.50e-7	4.91e-4	74	63	2.49e-4	0.0	68	67	1.14e-7	2.02e-2	73	72	1.82e-8	0.0
65	61	6.03e-6	7.20e-3	76	63	7.89e-4	0.0	71	67	8.78e-6	3.60e-3	75	72	2.36e-4	0.0
66	61	4.43e-4	8.53e-4	77	63	3.45e-3	3.08e-2	72	67	1.74e-6	6.39e-3	76	72	6.53e-4	1.57e-2
67	61	5.75e-4	4.76e-3	78	63	1.07e-4	1.76e-2	75	67	3.37e-4	1.84e-3	77	72	1.09e-5	4.13e-2
68	61	9.53e-4	6.09e-4	80	63	4.40e+0	0.0	76	67	1.13e-4	2.95e-2	78	72	2.56e-5	1.10e-2
69	61	1.83e-6	0.0	65	64	1.34e-8	4.23e-3	77	67	3.92e-4	1.18e-3	79	72	5.59e-1	0.0
71	61	2.66e-4	6.92e-3	66	64	2.62e-7	9.62e-3	78	67	1.93e-4	0.0	80	72	6.32e-1	3.32e-1
72	61	4.31e-6	5.79e-3	67	64	2.83e-6	3.12e-2	79	67	3.19e-2	5.30e-3	74	73	9.50e-8	5.07e-2
75	61	1.66e-3	2.78e-1	68	64	5.64e-6	1.50e-2	80	67	4.83e-2	4.93e-1	77	73	1.48e-2	0.0
76	61	7.91e-7	6.59e-3	69	64	1.79e-7	0.0	69	68	3.85e-11	2.60e-8	78	73	2.15e-4	1.06e-4
77	61	6.65e-4	1.70e-2	71	64	1.84e-3	1.87e-3	70	68	2.81e-13	0.0	78	74	1.12e-3	0.0
78	61	1.06e-3	0.0	72	64	8.53e-4	2.06e-2	71	68	2.33e-6	5.24e-3	76	75	2.01e-10	3.38e-4
79	61	6.75e-4	1.44e+0	75	64	2.41e-3	6.29e-2	72	68	2.32e-6	9.15e-3	77	75	2.19e-7	0.0
80	61	8.64e-3	3.51e-2	76	64	1.42e-3	9.94e-2	73	68	8.10e-8	0.0	79	75	0.0	2.57e-7
63	62	7.27e-7	7.96e-2	77	64	3.49e-2	2.33e-2	75	68	1.03e-7	0.0	80	75	3.91e-1	5.32e-1
64	62	1.05e-7	1.43e-4	78	64	1.47e-4	0.0	76	68	1.24e-5	2.13e-3	77	76	8.84e-6	3.63e-5
65	62	9.39e-7	9.47e-4	79	64	2.26e+0	8.35e-3	77	68	3.23e-4	6.30e-3	79	76	3.36e-1	6.45e-1
66	62	2.67e-4	0.0	80	64	1.23e+0	2.56e-2	78	68	1.62e-3	7.71e-4	80	76	4.49e-1	6.54e-3
67	62	1.10e-5	1.63e-4	66	65	2.40e-7	0.0	79	68	8.24e-2	0.0	78	77	7.78e-8	2.18e-2
68	62	9.74e-4	1.21e-2	67	65	6.70e-8	7.46e-3	80	68	4.76e-1	5.54e-1	79	77	1.67e-1	0.0
69	62	4.26e-6	8.16e-3	68	65	6.19e-6	9.98e-2	70	69	3.69e-13	7.88e-5	80	77	2.81e-2	2.72e-4
70	62	5.88e-7	0.0	69	65	2.64e-7	9.65e-6	71	69	1.92e-4	0.0	80	78	2.62e-1	0.0
71	62	1.42e-4	1.42e-2	71	65	5.65e-4	1.17e-2	72	69	4.68e-8	6.44e-6	80	79	2.86e-5	9.33e-2
72	62	1.41e-4	1.56e-2	72	65	1.06e-3	7.26e-3	73	69	4.13e-3	3.56e-2				
73	62	1.76e-5	0.0	73	65	4.69e-6	0.0	74	69	9.07e-4	0.0				
75	62	4.94e-5	0.0	75	65	7.96e-4	0.0	76	69	2.88e-5	0.0				

Table 6: Line intensity ratios for transitions relative to $\lambda5146$ AA (8-3: $^4F_{7/2}$–$^2G_{7/2}$), with T_{eff}=150,000 K. The first four entries are for no FLE, FLE with $W = 5 \times 10^{-16}, 10^{-13}, 10^{-10}$, respectively. Entries in the fifth column were calculated by Nussbaumer and Storey (1978). Some observational values are also given in the fifth column followed by "Obs" for variuous planetary nebulae.

		T_e=10000		T_e=20000			T_e=12000			T_e=16000	
Transition	$\lambda(\AA)$	$n_e = 10^3$	10^4	10^3	10^4	2×10^3	6×10^3	10^4	2×10^3	6×10^3	10^4
16-1	2145	1.05e-2	1.07e-2	6.98e-2	7.06e-2	2.00-2	2.01e-2	2.02e-2	4.40e-2	4.42e-2	4.45e-2
		1.18-2	1.08e-2	7.01e-2	7.06e-2	2.04e-2	2.02e-2	2.03e-2	4.42e-2	4.43e-2	4.45e-2
		1.57-1	3.85e-2	1.23e-1	7.76e-2	8.81e-2	4.81e-2	3.86e-2	8.56e-2	6.04e-2	5.49e-2
		2.62-1	2.59e-1	2.62e-1	2.59e-1	2.62e-1	2.60e-1	2.59e-1	2.61e-1	2.60e-1	2.59e-1
		1.30-2	1.30e-2	7.50e-2	7.50e-2			Obs:			
17-1	2163	1.69e-5	1.93e-5	1.15e-4	1.27e-4	3.25-5	3.43e-5	3.61e-5	7.21e-5	7.57e-5	7.91e-5
		1.75-5	1.95e-5	1.15e-4	1.27e-4	3.26e-5	3.44e-5	3.62e-5	7.22e-5	7.57e-5	7.91e-5
		7.63-5	4.47e-5	1.22e-4	1.31e-4	6.19e-5	6.30e-5	5.20e-5	8.55e-5	8.46e-5	8.69e-5
		7.74-4	7.82e-4	7.74e-4	7.79e-4	7.75e-4	7.78e-4	7.81e-4	7.74e-4	7.77e-4	7.80e-4
								Obs:			
16-2	2169	1.46e-3	1.48e-3	9.68e-3	9.80e-3	2.77-3	2.79e-3	2.81e-3	6.11e-3	6.14e-3	6.17e-3
		1.64-3	1.50e-3	9.73e-3	9.81e-3	2.83e-3	2.81e-3	2.82e-3	6.14e-3	6.15e-3	6.18e-3
		2.19-2	5.35e-3	1.70e-2	1.08e-2	1.22e-2	6.68e-3	5.36e-3	1.19e-2	8.38e-3	7.62e-3
		3.63-2	3.60e-2	3.63e-2	3.60e-2	3.63e-2	3.62e-2	3.60e-2	3.63e-2	3.61e-2	3.60e-2
								Obs:			
17-2	2187	2.18e-3	2.49e-3	1.48e-2	1.63e-2	4.18-3	4.42e-3	4.64e-3	9.27e-3	9.74e-3	1.02e-2
		2.25-3	2.50e-3	1.49e-2	1.63e-2	4.20e-3	4.43e-3	4.65e-3	9.28e-3	9.74e-3	1.02e-2
		9.82-3	5.75e-3	1.56e-2	1.69e-2	7.96e-3	6.82e-3	6.69e-3	1.10e-2	1.09e-1	1.12e-2
		9.96-2	1.01e-1	9.95e-2	1.00e-1	9.97e-2	1.00e-1	1.01e-1	9.96e-2	1.00e-1	1.00e-1
								Obs:			
16-3	2202	1.86e-3	1.89e-3	1.23e-2	1.25e-2	3.53-3	3.55e-3	3.58e-3	7.78e-3	7.83e-3	7.87e-3
		2.09-3	1.92e-3	1.24e-2	1.25e-2	3.61e-3	3.58e-3	3.59e-3	7.82e-3	7.84e-3	7.88e-3
		2.79-2	6.82e-3	2.17e-2	1.37e-2	1.56e-2	8.51e-3	6.83e-3	1.52e-2	1.07e-2	9.71e-3
		4.63-2	4.59e-2	4.63e-2	4.59e-2	4.63e-2	4.61e-2	4.59e-2	4.63e-2	4.60e-2	4.58e-2
								Obs:			
17-3	2220	3.84e-4	4.38e-4	2.61e-3	2.87e-3	7.35-4	7.78e-4	8.18e-4	1.63e-3	1.72e-3	1.79e-3
		3.95-4	4.41e-4	2.61e-3	2.87e-3	7.39e-4	7.80e-4	8.20e-4	1.63e-3	1.72e-3	1.79e-3
		1.73-3	1.01e-3	2.76e-3	2.97e-3	1.40e-3	1.20e-3	1.18e-3	1.94e-3	1.92e-3	1.97e-3
		1.75-2	1.77e-2	1.75e-2	1.76e-2	1.76e-2	1.76e-2	1.77e-2	1.75e-2	1.76e-2	1.77e-2
								Obs:			
17-4	2261	5.45e-3	6.21e-3	3.71e-2	4.07e-2	1.04-2	1.10e-2	1.16e-2	2.32e-2	2.43e-2	2.54e-2
		5.61-3	6.26e-3	3.71e-2	4.07e-2	1.05e-2	1.11e-2	1.16e-2	2.32e-2	2.44e-2	2.55e-2
		2.45-2	1.44e-2	3.91e-2	4.21e-2	1.99e-2	1.70e-2	1.67e-2	2.75e-2	2.72e-2	2.80e-2
		2.49-1	2.52e-1	2.49e-1	2.51e-1	2.49e-1	2.50e-1	2.51e-1	2.49e-1	2.50e-1	2.51e-1
		3.00-3	3.00e-3	1.50e-2	1.60e-2			Obs:			
12-1	3492	8.73e-2	8.83e-2	1.42e-1	1.44e-1	1.05-1	1.05e-1	1.05e-1	1.28e-1	1.29e-1	1.29e-1
		9.25-2	8.88e-2	1.44e-1	1.44e-1	1.06e-1	1.06e-1	1.06e-1	1.29e-1	1.29e-1	1.29e-1
		6.57-1	1.83e-1	3.82e-1	1.72e-1	3.68e-1	2.07e-1	1.69e-1	3.00e-1	1.92e-1	1.68e-1
		5.77-1	5.70e-1	5.76e-1	5.68e-1	5.76e-1	5.72e-1	5.69e-1	5.76e-1	5.72e-1	5.68e-1
		3.40-2	3.50e-2	5.70e-2	5.80e-2			Obs:			
13-1	3510	8.01e-3	9.06e-3	1.34e-2	1.46e-2	9.71-3	1.02e-2	1.07e-2	1.20e-2	1.26e-2	1.32e-2
		8.16-3	9.08e-3	1.34e-2	1.46e-2	9.76e-3	1.03e-2	1.07e-2	1.21e-2	1.26e-2	1.32e-2
		2.45-2	1.35e-2	1.95e-2	1.58e-2	1.77e-2	1.41e-2	1.36e-2	1.69e-2	1.49e-2	1.48e-2
		8.57-2	8.59e-2	8.56e-2	8.54e-2	8.57e-2	8.57e-2	8.57e-2	8.57e-2	8.56e-2	8.55e-2
								Obs:			
12-2	3556	1.59e-1	1.61e-1	2.59e-1	2.61e-1	1.90-1	1.91e-1	1.92e-1	2.33e-1	2.34e-1	2.35e-1
		1.69-1	1.62e-1	2.62e-1	2.62e-1	1.92e-1	1.93e-1	1.93e-1	2.35e-1	2.35e-1	2.36e-1
		1.20-0	3.33e-1	6.95e-1	3.14e-1	6.71e-1	3.77e-1	3.08e-1	5.46e-1	3.49e-1	3.06e-1
		1.05-0	1.04e-0	1.05e-0	1.03e-0	1.05e-0	1.04e-0	1.04e-0	1.05e-0	1.04e-0	1.04e-0
		6.40-2	6.50e-2	1.05e-1	1.07e-1			Obs:			
13-2	3574	2.28e-2	2.58e-2	3.81e-2	4.17e-2	2.77-2	2.92e-2	3.06e-2	3.43e-2	3.59e-2	3.74e-2
		2.32-2	2.59e-2	3.82e-2	4.17e-2	2.78e-2	2.92e-2	3.06e-2	3.44e-2	3.59e-2	3.75e-2
		6.98-2	3.83e-2	5.54e-2	4.50e-2	5.03e-2	4.02e-2	3.87e-2	4.82e-2	4.23e-2	4.21e-2
		2.44-1	2.44e-1	2.44e-1	2.43e-1	2.44e-1	2.44e-1	2.44e-1	2.44e-1	2.44e-1	2.44e-1
								Obs:			

Table 6. *continued*

Transition	$\lambda(\AA)$	T_e=10000 $n_e = 10^3$	10^4	T_e=20000 10^3	10^4	T_e=12000 2×10^3	6×10^3	10^4	T_e=16000 2×10^3	6×10^3	10^4
14-3	3631	6.77e-3	6.73e-3	1.21e-2	1.21e-2	8.27-3	8.24e-3	8.22e-3	1.06e-2	1.05e-2	1.05e-2
		6.76-3	6.73e-3	1.21e-2	1.21e-2	8.26e-3	8.24e-3	8.22e-3	1.05e-2	1.05e-2	1.05e-2
		6.44-3	6.61e-3	1.09e-2	1.19e-2	7.77e-3	8.00e-3	8.04e-3	9.89e-3	1.02e-2	1.03e-2
		4.77-3	4.79e-3	4.78e-3	4.89e-3	4.78e-3	4.79e-3	4.81e-3	4.79e-3	4.82e-3	4.85e-3
									Obs:		
12-3	3643	4.84e-4	4.89e-4	7.89e-4	7.95e-4	5.79-4	5.82e-4	5.84e-4	7.10e-4	7.12e-4	7.15e-4
		5.12-4	4.92e-4	7.97e-4	7.96e-4	5.88e-4	5.85e-4	5.86e-4	7.15e-4	7.14e-4	7.16e-4
		3.64-3	1.01e-3	2.11e-3	9.56e-4	2.04e-3	1.15e-3	9.37e-4	1.66e-3	1.06e-3	9.30e-3
		3.20-3	3.16e-3	3.19e-3	3.15e-3	3.19e-3	3.17e-3	3.15e-3	3.19e-3	3.17e-3	3.15e-3
									Obs:		
13-3	3663	1.72e-1	1.95e-1	2.87e-1	3.14e-1	2.09-1	2.20e-1	2.31e-1	2.59e-1	2.71e-1	2.82e-1
		1.75-1	1.95e-1	2.88e-1	3.15e-1	2.10e-1	2.20e-1	2.31e-1	2.59e-1	2.71e-1	2.83e-1
		5.27-1	2.89e-1	4.18e-1	3.40e-1	3.80e-1	3.03e-1	2.92e-1	3.64e-1	3.19e-1	3.18e-1
		1.84-0	1.84e-0	1.84e-0	1.83e-0	1.84e-0	1.84e-0	1.84e-0	1.84e-0	1.84e-0	1.84e-0
		9.80-2	1.02e-1	1.61e-1	1.68e-1				Obs:		
14-4	3741	9.73e-3	9.67e-3	1.74e-2	1.73e-2	1.19-2	1.19e-2	1.18e-2	1.52e-2	1.51e-2	1.51e-2
		9.72-3	9.67e-3	1.74e-2	1.73e-2	1.19e-2	1.18e-2	1.18e-2	1.52e-2	1.51e-2	1.51e-2
		9.26-3	9.50e-3	1.57e-2	1.71e-2	1.12e-2	1.15e-2	1.16e-2	1.42e-2	1.47e-2	1.48e-2
		6.86-3	6.88e-3	6.88e-3	7.02e-3	6.87e-3	6.89e-3	6.91e-3	6.88e-3	6.92e-3	6.97e-3
									Obs:		
10-1	3773	1.48e-3	1.48e-3	2.26e-3	2.26e-3	1.72-3	1.72e-3	1.73e-3	2.06e-3	2.06e-3	2.06e-3
		1.66-3	1.50e-3	2.31e-3	2.27e-3	1.78e-3	1.75e-3	1.74e-3	2.10e-3	2.07e-3	2.07e-3
		2.14-2	4.89e-3	1.08e-2	3.33e-3	1.11e-2	5.41e-3	4.04e-3	8.21e-3	4.36e-3	3.49e-3
		1.40-2	1.37e-2	1.40e-2	1.36e-2	1.39e-2	1.38e-2	1.37e-2	1.39e-2	1.38e-2	1.37e-2
									Obs:		
11-1	3814	4.63e-2	5.16e-2	7.14e-2	7.73e-2	5.46-2	5.73e-2	5.97e-2	6.55e-2	6.83e-2	7.08e-2
		5.20-2	5.23e-2	7.31e-2	7.75e-2	5.66e-2	5.79e-2	6.01e-2	6.67e-2	6.87e-2	7.11e-2
		6.85-1	1.69e-1	3.46e-1	1.14e-1	3.57e-1	1.80e-1	1.39e-1	2.64e-1	1.45e-1	1.20e-1
		7.55-1	7.44e-1	7.54e-1	7.41e-1	7.53e-1	7.48e-1	7.43e-1	7.53e-1	7.47e-1	7.42e-1
		1.14-1	1.14e-1	1.56e-1	1.57e-1				Obs:		
16-8	3847	8.19e-3	8.32e-3	5.44e-2	5.51e-2	1.56-2	1.57e-2	1.58e-2	3.43e-2	3.45e-2	3.47e-2
		9.22-3	8.44e-3	5.46e-2	5.51e-2	1.59e-2	1.58e-2	1.58e-2	3.45e-2	3.46e-2	3.47e-2
		1.23-1	3.01e-2	9.55e-2	6.05e-2	6.87e-2	3.75e-2	3.01e-2	6.68e-2	4.71e-2	4.28e-2
		2.04-1	2.02e-1	2.04e-1	2.02e-1	2.04e-1	2.03e-1	2.02e-1	2.04e-1	2.03e-1	2.02e-1
									Obs:		
10-2	3848	1.31e-3	1.31e-3	2.00e-3	2.00e-3	1.53-3	1.53e-3	1.53e-3	1.82e-3	1.82e-3	1.82e-3
		1.47-3	1.33e-3	2.05e-3	2.01e-3	1.58e-3	1.54e-3	1.54e-3	1.86e-3	1.84e-3	1.83e-3
		1.90-2	4.32e-3	9.60e-3	2.95e-3	9.81e-3	4.78e-3	3.58e-3	7.27e-3	3.86e-3	3.09e-3
		1.24-2	1.21e-2	1.24e-2	1.21e-2	1.23e-2	1.22e-2	1.21e-2	1.23e-2	1.22e-2	1.21e-2
									Obs:		
11-2	3889	7.36e-2	8.21e-2	1.14e-1	1.23e-1	8.69-2	9.10e-2	9.49e-2	1.04e-1	1.09e-1	1.13e-1
		8.27-2	8.31e-2	1.16e-1	1.23e-1	8.99e-2	9.21e-2	9.56e-2	1.06e-1	1.09e-1	1.13e-1
		1.09-0	2.69e-1	5.50e-1	1.81e-1	5.68e-1	2.87e-1	2.22e-1	4.20e-1	2.30e-1	1.90e-1
		1.20-0	1.18e-0	1.20e-0	1.18e-0	1.20e-0	1.19e-0	1.18e-0	1.20e-0	1.19e-0	1.18e-0
		1.80-1	1.81e-1	2.48e-1	2.49e-1				Obs:		
17-8	3905	3.43e-3	3.91e-3	2.34e-2	2.57e-2	6.58-3	6.96e-3	7.31e-3	1.46e-2	1.53e-2	1.60e-2
		3.54-3	3.94e-3	2.34e-2	2.57e-2	6.61e-3	6.98e-3	7.33e-3	1.46e-2	1.53e-2	1.60e-2
		1.55-2	9.05e-3	2.46e-2	2.65e-2	1.25e-2	1.07e-2	1.05e-2	1.73e-2	1.71e-2	1.76e-2
		1.57-1	1.59e-1	1.57e-1	1.58e-1	1.57e-1	1.58e-1	1.58e-1	1.57e-1	1.57e-1	1.58e-1
									Obs:		
17-9	4015	3.19e-3	3.64e-3	2.18e-2	2.39e-2	6.12-3	6.48e-3	6.81e-3	1.36e-2	1.43e-2	1.49e-2
		3.29-3	3.67e-3	2.18e-2	2.39e-2	6.15e-3	6.49e-3	6.82e-3	1.36e-2	1.43e-2	1.49e-2
		1.44-2	8.43e-3	2.29e-2	2.47e-2	1.17e-2	9.99e-3	9.80e-3	1.61e-2	1.60e-2	1.64e-2
		1.46-1	1.48e-1	1.46e-1	1.47e-1	1.46e-1	1.47e-1	1.47e-1	1.46e-1	1.47e-1	1.47e-1
									Obs:		
9-3	4967	3.00e-1	3.48e-1	3.94e-1	4.35e-1	3.34-1	3.55e-1	3.75e-1	3.73e-1	3.93e-1	4.11e-1
		3.00-1	3.48e-1	3.94e-1	4.35e-1	3.34e-1	3.55e-1	3.75e-1	3.73e-1	3.93e-1	4.11e-1
		2.38-1	3.43e-1	3.49e-1	4.30e-1	3.00e-1	3.44e-1	3.69e-1	3.45e-1	3.84e-1	4.06e-1
		6.56-1	6.70e-1	6.56e-1	6.69e-1	6.58e-1	6.64e-1	6.70e-1	6.58e-1	6.64e-1	6.69e-1
		2.57-1	2.66e-1	3.26e-1	3.35e-1				Obs:		

Table 6. *continued*

Transition	$\lambda(\AA)$	T_e=10000		T_e=20000		T_e=12000			T_e=16000		
		n_e = 10^3	10^4	10^3	10^4	2×10^3	6×10^3	10^4	2×10^3	6×10^3	10^4
8-2	4973	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1
		9.64-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1
		9.64-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1
		9.64-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1	9.64e-1
		9.67-1	9.67e-1	9.67e-1	9.67e-1		Obs: 1.048[a]; 1.094[d]; 8.33-1[e]; 1.652[f]				
9-4	5177	7.06e-1	8.19e-1	9.27e-1	1.02e-0	7.85-1	8.34e-1	8.80e-1	8.77e-1	9.23e-1	9.66e-1
		7.04-1	8.18e-1	9.26e-1	1.02e-0	7.84e-1	8.34e-1	8.80e-1	8.76e-1	9.23e-1	9.66e-1
		5.59-1	8.05e-1	8.20e-1	1.01e-0	7.05e-1	8.09e-1	8.67e-1	8.11e-1	9.02e-1	9.54e-1
		1.54-0	1.57e-0	1.54e-0	1.57e-0	1.55e-0	1.56e-0	1.57e-0	1.55e-0	1.56e-0	1.57e-0
		6.12-1	6.33e-1	7.77e-1	7.99e-1		Obs: 7.39e-1[a], 6.55-1[d],1.478[f]				
7-2	5234	6.55e-2	7.23e-2	5.65e-2	6.10e-2	6.37-2	6.65e-2	6.91e-2	5.98e-2	6.22e-2	6.44e-2
		6.60-2	7.24e-2	5.67e-2	6.10e-2	6.39e-2	6.66e-2	6.92e-2	5.99e-2	6.22e-2	6.44e-2
		1.25-1	8.51e-2	8.39e-2	6.53e-2	9.30e-2	7.94e-2	7.80e-2	7.97e-2	7.05e-2	7.00e-2
		1.81-1	1.81e-1	1.81e-1	1.79e-1	1.81e-1	1.81e-1	1.80e-1	1.81e-1	1.80e-1	1.80e-1
							Obs:				
6-1	5278	1.87e-1	1.94e-1	1.56e-1	1.61e-1	1.79-1	1.82e-1	1.85e-1	1.66e-1	1.69e-1	1.71e-1
		1.92-1	1.95e-1	1.58e-1	1.61e-1	1.81e-1	1.83e-1	1.85e-1	1.67e-1	1.69e-1	1.71e-1
		7.27-1	2.94e-1	3.98e-1	1.93e-1	4.39e-1	2.88e-1	2.54e-1	3.40e-1	2.36e-1	2.14e-1
		5.05-1	4.98e-1	5.05e-1	4.95e-1	5.04e-1	5.01e-1	4.97e-1	5.04e-1	5.00e-1	4.96e-1
		2.19-1	2.21e-1	1.83e-1	1.84e-1		Obs: 3.20e-1[a], 5.56-1[d]				
5-1	5335	5.10e-1	5.09e-1	4.89e-1	4.86e-1	5.05-1	5.04e-1	5.03e-1	4.97e-1	4.96e-1	4.95e-1
		5.66-1	5.14e-1	5.06e-1	4.88e-1	5.23e-1	5.10e-1	5.07e-1	5.08e-1	5.00e-1	4.97e-1
		6.64-0	1.42e-0	3.19e-0	7.90e-1	3.35e-0	1.56e-0	1.13e-0	2.39e-0	1.17e-0	8.92e-1
		1.72-0	1.68e-0	1.72e-0	1.67e-0	1.72e-0	1.70e-0	1.68e-0	1.72e-0	1.69e-0	1.67e-0
		7.17-1	7.09e-1	6.25e-1	6.20e-1		Obs: 7.65-1[a];1.083[b];9.52e-1[c]; 5.67e-1[d]; 1.0[f]				
6-2	5425	4.01e-1	4.16e-1	3.35e-1	3.44e-1	3.84-1	3.90e-1	3.96e-1	3.57e-1	3.62e-1	3.66e-1
		4.11-1	4.17e-1	3.38e-1	3.44e-1	3.88e-1	3.92e-1	3.97e-1	3.59e-1	3.62e-1	3.67e-1
		1.56-0	6.31e-1	8.53e-1	4.14e-1	9.40e-1	6.18e-1	5.44e-1	7.28e-1	5.06e-1	4.59e-1
		1.08-0	1.07e-0	1.08e-0	1.06e-0	1.08e-0	1.07e-0	1.07e-0	1.08e-0	1.07e-0	1.06e-0
		4.47-1	4.50e-1	3.73e-1	3.75e-1		Obs: 4.85e-1[a]; 4.33-1[d]; 7.61e-1[f]				
7-3	5427	2.23e-1	2.46e-1	1.92e-1	2.08e-1	2.17-1	2.27e-1	2.35e-1	2.04e-1	2.12e-1	2.19e-1
		2.25-1	2.46e-1	1.93e-1	2.08e-1	2.18e-1	2.27e-1	2.36e-1	2.04e-1	2.12e-1	2.19e-1
		4.24-1	2.90e-1	2.86e-1	2.22e-1	3.17e-1	2.71e-1	2.66e-1	2.71e-1	2.40e-1	2.39e-1
		6.16-1	6.15e-1	6.16e-1	6.11e-1	6.16e-1	6.15e-1	6.14e-1	6.15e-1	6.14e-1	6.13e-1
		1.57-1	1.62e-1	1.39e-1	1.43e-1		Obs: 4.34e-1[a]; 3.98-1[d]				
5-2	5485	2.84e-1	2.83e-1	2.72e-1	2.71e-1	2.81-1	2.81e-1	2.80e-1	2.77e-1	2.76e-1	2.76e-1
		3.15-1	2.86e-1	2.82e-1	2.72e-1	2.91e-1	2.84e-1	2.82e-1	2.83e-1	2.78e-1	2.77e-1
		3.69-0	7.92e-1	1.77e-0	4.40e-1	1.87e-0	8.68e-1	6.31e-1	1.33e-0	6.49e-1	4.97e-1
		9.58-1	9.34e-1	9.58e-1	9.31e-1	9.55e-1	9.44e-1	9.33e-1	9.55e-1	9.43e-1	9.32e-1
		4.00-1	3.93e-1	3.47e-1	3.44e-1		Obs: 4.60e-1[a]; 6.08-1[d]; 7.83e-1[f]				
6-3	5631	4.21e-1	4.37e-1	3.51e-1	3.61e-1	4.04-1	4.10e-1	4.16e-1	3.75e-1	3.80e-1	3.85e-1
		4.32-1	4.38e-1	3.55e-1	3.62e-1	4.07e-1	4.11e-1	4.17e-1	3.77e-1	3.81e-1	3.85e-1
		1.64-0	6.62e-1	8.96e-1	4.35e-1	9.87e-1	6.49e-1	5.71e-1	7.64e-1	5.31e-1	4.82e-1
		1.14-0	1.12e-0	1.14e-0	1.12e-0	1.14e-0	1.13e-0	1.12e-0	1.13e-0	1.13e-0	1.12e-0
		4.72-1	4.76e-1	3.94e-1	3.97e-1		Obs: 4.85e-1[a]; 7.42-1[e]; 4.78e-1[f]				
7-4	5677	4.77e-1	5.27e-1	4.12e-1	4.45e-1	4.64-1	4.85e-1	5.04e-1	4.36e-1	4.54e-1	4.70e-1
		4.81-1	5.28e-1	4.13e-1	4.45e-1	4.66e-1	4.86e-1	5.04e-1	4.37e-1	4.54e-1	4.70e-1
		9.08-1	6.21e-1	6.12e-1	4.76e-1	6.78e-1	5.79e-1	5.69e-1	5.81e-1	5.14e-1	5.11e-1
		1.32-0	1.32e-0	1.32e-0	1.31e-0	1.32e-0	1.32e-0	1.32e-0	1.32e-0	1.32e-0	1.31e-0
		3.30-1	3.42e-1	2.93e-1	3.02e-1		Obs: 4.49e-1[a]; 6.67-1[d]; 3.91e-1[f]				

[a] Hyung and Aller (1997a); [b] Hyung *et al.* (1995); [c] Hyung *et al.* (1997); [d] Feibelman *et al.* (1996);

[e] Hyung and Aller (1998); [f] Hyung and Aller (1997b); [g] McKenna *et al.* (1997).