

Table 1: Calculation results from different models

	Black body	Iron	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8	Model 9
Linear											
Difference [K]	20.7	-151.7	129.5	38.8	58.6	116.5	-4.8	-39.6	-161.6	445.5	27.2
Rel. difference	0.02	0.08	0.08	0.03	0.04	0.08	0.02	0.04	0.11	0.32	0.02
SD [K]	7.06	9.56	115.31	44.97	73.78	98.33	57.27	104.74	112.38	157.94	20.80
Max. difference [K]	0.029	0.096	0.160	0.073	0.145	0.140	0.167	0.170	0.263	0.489	0.057
Min. difference [K]	0.006	0.076	0.0001	0.0004	0.0001	0.0001	0.00	0.0001	0.001	0.031	0.0003
Linear square											
Difference [K]	38.7	30.8	102.9	-13.1	24.4	72.9	-31.1	96.5	-122.5	423.9	-10.6
Rel. difference	0.03	0.02	0.07	0.03	0.03	0.05	0.02	0.07	0.08	0.30	0.03
SD [K]	23.95	6.88	8.21	42.45	36.18	11.12	57.39	27.09	45.99	93.41	58.86
Max. difference [K]	0.074	0.079	0.105	0.059	0.071	0.088	0.101	0.115	0.118	0.379	0.093
Min. difference [K]	0.006	0.013	0.03	0.000	0.0001	0.031	0.0001	0.011	0.018	0.03	0.0001
Quadratic											
Difference [K]	19.3	-151.7	104.7	41.5	8.6	88.1	76.7	-47.8	-212.7	509.9	113.1
Rel. difference	0.01	0.09	0.09	0.09	0.04	0.10	0.11	0.03	0.14	0.37	0.12
SD [K]	4.07	9.56	194.96	214.93	144.50	216.52	239.63	96.18	117.62	167.72	234.07
Max. difference [K]	0.022	0.096	0.336	0.329	0.280	0.352	0.321	0.166	0.280	0.630	0.341
Min. difference [K]	0.006	0.076	0.005	0.003	0.000	0.005	0.0003	0.0001	0.092	0.031	0.003
Exponential											
Difference [K]	20.5	-147.3	102.9	-12.9	24.4	72.9	-60.5	96.6	-406.4	318.2	-91.6
Rel. difference	0.01	0.08	0.07	0.03	0.03	0.05	0.04	0.07	0.45	0.325	0.235
SD [K]	16.70	24.63	8.23	42.15	36.19	11.14	56.69	27.04	523.51	385.45	343.71
Max. difference [K]	0.075	0.096	0.105	0.056	0.071	0.088	0.101	0.115	0.644	0.630	0.452
Min. difference [K]	0.006	0.013	0.031	0.00	0.0001	0.03	0.0005	0.012	0.031	0.002	0.003
Mixed model											
Difference [K]	14.6	-34.6	102.9	-12.9	24.4	72.9	-31.1	96.6	-122.5	424.16	-10.6
Rel. difference	0.01	0.02	0.07	0.03	0.03	0.05	0.02	0.07	0.08	0.30	0.025
SD [K]	6.17	53.49	8.22	42.14	36.19	11.13	57.39	27.04	45.98	93.88	85.86
Max. difference [K]	0.017	0.096	0.105	0.056	0.071	0.088	0.101	0.115	0.118	0.382	0.093
Min. difference [K]	0.00	0.006	0.03	0.000	0.0001	0.031	0.000	0.012	0.018	0.031	0.0001