



Erratum

Erratum: “Radiative Heating of Semi-Transparent Diesel Fuel Droplets” [Journal of Heat Transfer, 2004, 126(1), pp. 105–109]

S. S. Sazhin, W. A. Abdelghaffar, E. M. Sazhina, S. V. Mikhalovsky, S. T. Meikle,
and C. Bai

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The number of digits presented for some values of coefficients in Tables 1 and 2 are not sufficient for accurate calculation of the parameter Λ_0 at high temperatures. More accurate values of these coefficients are presented below in the revised versions of these tables. Authors are grateful to Dr. B. Abramzon for drawing their attention to this inconsistency of the paper.

Table 1

Type of fuel	$R_{\min}/\mu\text{m}$	$R_{\max}/\mu\text{m}$	a_0	a_1 (K^{-1})	a_2 (K^{-2})	b_0	b_1 (K^{-1})	b_2 (K^{-2})
Yellow unboiled	5	50	0.10400	-0.054320	0.008000	0.49162	0.098369	-0.007857
Yellow unboiled	5	100	0.12358	-0.066360	0.010000	0.42402	0.115583	-0.009886
Yellow unboiled	5	200	0.01689	-0.094840	0.014800	0.31518	0.146189	-0.014057
Yellow unboiled	2	50	0.10350	-0.053210	0.007980	0.49590	0.096781	-0.007632
Yellow unboiled	2	200	0.15412	-0.085400	0.013200	0.33988	0.138394	-0.013029
Pink unboiled	5	50	0.08876	-0.046280	0.006800	0.44544	0.131457	-0.013714
Pink unboiled	5	100	0.09654	-0.050609	0.007457	0.41346	0.136374	-0.014029
Pink unboiled	5	200	0.11596	-0.061626	0.009171	0.35694	0.141951	-0.014143
Pink unboiled	2	50	0.09040	-0.046110	0.006724	0.44300	0.129870	-0.012980
Pink unboiled	2	200	0.11116	-0.058757	0.008714	0.36804	0.138994	-0.013829
Yellow boiled	5	50	0.10930	-0.056446	0.008171	0.50826	0.079017	-0.007314
Yellow boiled	5	100	0.13188	-0.069380	0.010200	0.44010	0.087643	-0.007686
Yellow boiled	5	200	0.18430	-0.100843	0.015286	0.33048	0.109137	-0.009714
Yellow boiled	2	50	0.10800	-0.054320	0.008014	0.51330	0.078932	-0.007312
Yellow boiled	2	200	0.16624	-0.090011	0.013543	0.35550	0.104551	-0.009343
Pink boiled	5	50	0.07160	-0.031469	0.004057	0.44202	0.177531	-0.022343
Pink boiled	5	100	0.07786	-0.033474	0.004229	0.41654	0.169563	-0.021686
Pink boiled	5	200	0.09168	-0.035854	0.004029	0.38168	0.139197	-0.016714
Pink boiled	2	50	0.07250	-0.030875	0.004032	0.44220	0.017540	-0.022120
Pink boiled	2	200	0.08784	-0.034866	0.003971	0.38976	0.141946	-0.016771

Table 2

Type of fuel	$R_{\min}/\mu\text{m}$	$R_{\max}/\mu\text{m}$	a_0	a_1 (K ¹)	a_2 (K ⁻²)	a_3 (K ⁻³)	a_4 (K ⁻⁴)	b_0	b_1 (K ⁻¹)	b_2 (K ⁻²)	b_3 (K ⁻³)	b_4 (K ⁻⁴)
Yellow unboiled	5	50	-0.0417	0.28362	-0.26836	0.09526	-0.011767	0.9671	-0.9761	0.84533	-0.28534	0.034233
Yellow unboiled	5	100	-0.0442	0.32398	-0.31034	0.11081	-0.013733	0.8819	-0.9163	0.80674	-0.27215	0.032533
Yellow unboiled	5	200	-0.0463	0.40945	-0.40219	0.14532	-0.018133	0.7496	-0.8308	0.75706	-0.25621	0.030533
Yellow unboiled	2	50	-0.0440	0.27981	-0.25981	0.09478	-0.011520	0.9798	-0.9698	0.85673	-0.27982	0.033134
Yellow unboiled	2	200	-0.0474	0.38577	-0.37553	0.13517	-0.016833	0.7824	-0.8579	0.77432	-0.26198	0.031267
Pink unboiled	5	50	-0.0565	0.29014	-0.26793	0.09457	-0.011667	0.9862	-1.1016	0.97560	-0.33451	0.040567
Pink unboiled	5	100	-0.0621	0.31707	-0.29294	0.10345	-0.012767	0.9636	-1.1152	0.98742	-0.33765	0.040833
Pink unboiled	5	200	-0.0720	0.37382	-0.34642	0.12240	-0.015100	0.8995	-1.0880	0.96582	-0.32892	0.039600
Pink unboiled	2	50	-0.0570	0.29030	-0.26583	0.09352	-0.011392	0.9681	-1.1009	0.96537	-0.27613	0.042184
Pink unboiled	2	200	-0.0689	0.35806	-0.33151	0.11706	-0.014433	0.9063	-1.0819	0.95965	-0.32700	0.039400
Yellow boiled	5	50	-0.0395	0.28796	-0.27275	0.09658	-0.011900	0.9388	-0.9035	0.78188	-0.26714	0.032433
Yellow boiled	5	100	-0.0409	0.33132	-0.31734	0.11285	-0.013933	0.8375	-0.8168	0.71621	-0.24414	0.029533
Yellow boiled	5	200	-0.0410	0.42355	-0.41523	0.14897	-0.018467	0.6954	-0.7176	0.64863	-0.22082	0.026567
Yellow boiled	2	50	-0.0420	0.27893	-0.26731	0.09367	-0.016721	0.9596	-0.9007	0.76258	-0.25817	0.031425
Yellow boiled	2	200	-0.0432	0.39663	-0.38514	0.13767	-0.017033	0.7331	-0.7515	0.67277	-0.22896	0.027567
Pink boiled	5	50	-0.0850	0.32863	-0.28769	0.09964	-0.012200	1.4481	-2.1310	1.84306	-0.63536	0.077600
Pink boiled	5	100	-0.0848	0.34028	-0.29836	0.10326	-0.012633	1.2870	-1.8292	1.59459	-0.55092	0.067333
Pink boiled	5	200	-0.0906	0.38067	-0.33095	0.11353	-0.013800	1.1103	-1.5294	1.32851	-0.45711	0.055700
Pink boiled	2	50	-0.0970	0.31872	-0.27829	0.09872	-0.021091	1.6235	-2.5023	0.18522	-0.63022	0.085020
Pink boiled	2	200	-0.0973	0.38854	-0.33685	0.11562	-0.014067	1.2056	-1.7258	1.48863	-0.51140	0.062300