
APPENDIX C

BLACKBODY EMISSIVE POWER TABLE

$n\lambda T$ [$\mu\text{m K}$]	η/nT [cm^{-1}/K]	$E_{b\lambda}/n^3T^5$ [$\text{W}/\text{m}^2 \mu\text{m K}^5$]	$E_{b\eta}/nT^3$ [$\text{W}/\text{m}^2 \text{cm}^{-1}\text{K}^3$]	$f(n\lambda T)$
1000	10.0000	0.02110×10^{-11}	0.00211×10^{-8}	0.00032
1100	9.0909	0.04846	0.00586	0.00091
1200	8.3333	0.09329	0.01343	0.00213
1300	7.6923	0.15724	0.02657	0.00432
1400	7.1429	0.23932	0.04691	0.00779
1500	6.6667	0.33631	0.07567	0.01285
1600	6.2500	0.44359	0.11356	0.01972
1700	5.8824	0.55603	0.16069	0.02853
1800	5.5556	0.66872	0.21666	0.03934
1900	5.2632	0.77736	0.28063	0.05210
2000	5.0000	0.87858	0.35143	0.06672
2100	4.7619	0.96994	0.42774	0.08305
2200	4.5455	1.04990	0.50815	0.10088
2300	4.3478	1.11768	0.59125	0.12002
2400	4.1667	1.17314	0.67573	0.14025
2500	4.0000	1.21659	0.76037	0.16135
2600	3.8462	1.24868	0.84411	0.18311
2700	3.7037	1.27029	0.92604	0.20535
2800	3.5714	1.28242	1.00542	0.22788
2900	3.4483	1.28612	1.08162	0.25055
3000	3.3333	1.28245	1.15420	0.27322
3100	3.2258	1.27242	1.22280	0.29576
3200	3.1250	1.25702	1.28719	0.31809
3300	3.0303	1.23711	1.34722	0.34009
3400	2.9412	1.21352	1.40283	0.36172
3500	2.8571	1.18695	1.45402	0.38290
3600	2.7778	1.15806	1.50084	0.40359
3700	2.7027	1.12739	1.54340	0.42375
3800	2.6316	1.09544	1.58181	0.44336
3900	2.5641	1.06261	1.61623	0.46240
4000	2.5000	1.02927	1.64683	0.48085

$n\lambda T$ [$\mu\text{m K}$]	η/nT [cm^{-1}/K]	$E_{b\lambda}/n^3T^5$ [$\text{W}/\text{m}^2 \mu\text{m K}^5$]	$E_{b\eta}/nT^3$ [$\text{W}/\text{m}^2 \text{cm}^{-1}\text{K}^3$]	$f(n\lambda T)$
4100	2.4390	0.99571×10^{-11}	1.67380×10^{-8}	0.49872
4200	2.3810	0.96220	1.69731	0.51599
4300	2.3256	0.92892	1.71758	0.53267
4400	2.2727	0.89607	1.73478	0.54877
4500	2.2222	0.86376	1.74912	0.56429
4600	2.1739	0.83212	1.76078	0.57925
4700	2.1277	0.80124	1.76994	0.59366
4800	2.0833	0.77117	1.77678	0.60753
4900	2.0408	0.74197	1.78146	0.62088
5000	2.0000	0.71366	1.78416	0.63372
5100	1.9608	0.68628	1.78502	0.64606
5200	1.9231	0.65983	1.78419	0.65794
5300	1.8868	0.63432	1.78181	0.66935
5400	1.8519	0.60974	1.77800	0.68033
5500	1.8182	0.58608	1.77288	0.69087
5600	1.7857	0.56332	1.76658	0.70101
5700	1.7544	0.54146	1.75919	0.71076
5800	1.7241	0.52046	1.75081	0.72012
5900	1.6949	0.50030	1.74154	0.72913
6000	1.6667	0.48096	1.73147	0.73778
6200	1.6129	0.44464	1.70921	0.75410
6400	1.5625	0.41128	1.68460	0.76920
6600	1.5152	0.38066	1.65814	0.78316
6800	1.4706	0.35256	1.63024	0.79609
7000	1.4286	0.32679	1.60127	0.80807
7200	1.3889	0.30315	1.57152	0.81918
7400	1.3514	0.28146	1.54126	0.82949
7600	1.3158	0.26155	1.51069	0.83906
7800	1.2821	0.24326	1.48000	0.84796
8000	1.2500	0.22646	1.44933	0.85625
8200	1.2195	0.21101	1.41882	0.86396
8400	1.1905	0.19679	1.38857	0.87115
8600	1.1628	0.18370	1.35866	0.87786
8800	1.1364	0.17164	1.32916	0.88413
9000	1.1111	0.16051	1.30013	0.88999
9200	1.0870	0.15024	1.27161	0.89547
9400	1.0638	0.14075	1.24363	0.90060
9600	1.0417	0.13197	1.21622	0.90541
9800	1.0204	0.12384	1.18941	0.90992
10,000	1.0000	0.11632	1.16319	0.91415
10,200	0.9804	0.10934	1.13759	0.91813
10,400	0.9615	0.10287	1.11260	0.92188
10,600	0.9434	0.09685	1.08822	0.92540
10,800	0.9259	0.09126	1.06446	0.92872
11,000	0.9091	0.08606	1.04130	0.93184
11,200	0.8929	0.08121	1.01874	0.93479
11,400	0.8772	0.07670	0.99677	0.93758
11,600	0.8621	0.07249	0.97538	0.94021
11,800	0.8475	0.06856	0.95456	0.94270
12,000	0.8333	0.06488	0.93430	0.94505

$n\lambda T$ [$\mu\text{m K}$]	η/nT [cm^{-1}/K]	$E_{b\lambda}/n^3T^5$ [$\text{W}/\text{m}^2 \mu\text{m K}^5$]	$E_{b\eta}/nT^3$ [$\text{W}/\text{m}^2 \text{cm}^{-1}\text{K}^3$]	$f(n\lambda T)$
12,200	0.8197	0.06145×10^{-11}	0.91458×10^{-8}	0.94728
12,400	0.8065	0.05823	0.89540	0.94939
12,600	0.7937	0.05522	0.87674	0.95139
12,800	0.7813	0.05240	0.85858	0.95329
13,000	0.7692	0.04976	0.84092	0.95509
13,200	0.7576	0.04728	0.82374	0.95680
13,400	0.7463	0.04494	0.80702	0.95843
13,600	0.7353	0.04275	0.79076	0.95998
13,800	0.7246	0.04069	0.77493	0.96145
14,000	0.7143	0.03875	0.75954	0.96285
14,200	0.7042	0.03693	0.74456	0.96418
14,400	0.6944	0.03520	0.72998	0.96546
14,600	0.6849	0.03358	0.71579	0.96667
14,800	0.6757	0.03205	0.70198	0.96783
15,000	0.6667	0.03060	0.68853	0.96893
16,000	0.6250	0.02447	0.62643	0.97377
17,000	0.5882	0.01979	0.57194	0.97765
18,000	0.5556	0.01617	0.52396	0.98081
19,000	0.5263	0.01334	0.48155	0.98340
20,000	0.5000	0.01110	0.44393	0.98555
21,000	0.4762	0.00931	0.41043	0.98735
22,000	0.4545	0.00786	0.38049	0.98886
23,000	0.4348	0.00669	0.35364	0.99014
24,000	0.4167	0.00572	0.32948	0.99123
25,000	0.4000	0.00492	0.30767	0.99217
26,000	0.3846	0.00426	0.28792	0.99297
27,000	0.3704	0.00370	0.26999	0.99367
28,000	0.3571	0.00324	0.25366	0.99429
29,000	0.3448	0.00284	0.23875	0.99482
30,000	0.3333	0.00250	0.22510	0.99529
31,000	0.3226	0.00221	0.21258	0.99571
32,000	0.3125	0.00196	0.20106	0.99607
33,000	0.3030	0.00175	0.19045	0.99640
34,000	0.2941	0.00156	0.18065	0.99669
35,000	0.2857	0.00140	0.17158	0.99695
36,000	0.2778	0.00126	0.16317	0.99719
37,000	0.2703	0.00113	0.15536	0.99740
38,000	0.2632	0.00103	0.14810	0.99759
39,000	0.2564	0.00093	0.14132	0.99776
40,000	0.2500	0.00084	0.13501	0.99792
41,000	0.2439	0.00077	0.12910	0.99806
42,000	0.2381	0.00070	0.12357	0.99819
43,000	0.2326	0.00064	0.11839	0.99831
44,000	0.2273	0.00059	0.11352	0.99842
45,000	0.2222	0.00054	0.10895	0.99851
46,000	0.2174	0.00049	0.10464	0.99861
47,000	0.2128	0.00046	0.10059	0.99869
48,000	0.2083	0.00042	0.09677	0.99877
49,000	0.2041	0.00039	0.09315	0.99884
50,000	0.2000	0.00036	0.08974	0.99890