

Carbon Dioxide (CO₂)

Z = 22

Molecular Mass : $M_A = 44.0095$

$$\sigma_a(\text{Mb}) = 109.76097 \frac{df}{dE} (\text{eV}^{-1})$$

$$\mu_m = \sigma_a \cdot N_A \cdot M_A^{-1}$$

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m .

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
7.0000E+00	6.1469E-05	6.7469E-03	9.2323E+01	1.7712E+03
7.3120E+00	3.1820E-04	3.4926E-02	4.7791E+02	1.6956E+03
7.5360E+00	8.0672E-04	8.8547E-02	1.2116E+03	1.6452E+03
7.7130E+00	1.5882E-03	1.7432E-01	2.3854E+03	1.6075E+03
7.8620E+00	2.4704E-03	2.7115E-01	3.7104E+03	1.5770E+03
8.0170E+00	3.3637E-03	3.6920E-01	5.0520E+03	1.5465E+03
8.1810E+00	4.1131E-03	4.5146E-01	6.1776E+03	1.5155E+03
8.3290E+00	4.5395E-03	4.9826E-01	6.8181E+03	1.4886E+03
8.5750E+00	4.5749E-03	5.0214E-01	6.8712E+03	1.4459E+03
8.7380E+00	4.6581E-03	5.1128E-01	6.9962E+03	1.4189E+03
8.8800E+00	5.0341E-03	5.5255E-01	7.5610E+03	1.3962E+03
9.0360E+00	5.6927E-03	6.2484E-01	8.5501E+03	1.3721E+03
9.2060E+00	6.4952E-03	7.1291E-01	9.7553E+03	1.3468E+03
9.3480E+00	6.7601E-03	7.4200E-01	1.0153E+04	1.3263E+03
9.4850E+00	6.3867E-03	7.0101E-01	9.5924E+03	1.3072E+03
9.5720E+00	5.9022E-03	6.4783E-01	8.8647E+03	1.2953E+03
9.6760E+00	5.0417E-03	5.5338E-01	7.5723E+03	1.2814E+03
9.8120E+00	3.7598E-03	4.1268E-01	5.6470E+03	1.2636E+03
9.9500E+00	2.4656E-03	2.7063E-01	3.7032E+03	1.2461E+03
1.0080E+01	1.5562E-03	1.7081E-01	2.3373E+03	1.2300E+03
1.0170E+01	9.6040E-04	1.0541E-01	1.4425E+03	1.2191E+03
1.0330E+01	4.4613E-04	4.8968E-02	6.7006E+02	1.2002E+03
1.0660E+01	1.5412E-02	1.6916E+00	2.3148E+04	1.1631E+03
1.0715E+01	2.9501E-02	3.2380E+00	4.4308E+04	1.1571E+03
1.0727E+01	2.4157E-02	2.6515E+00	3.6283E+04	1.1558E+03
1.0794E+01	5.2350E-02	5.7460E+00	7.8627E+04	1.1486E+03
1.0842E+01	1.3622E-01	1.4952E+01	2.0459E+05	1.1436E+03
1.0875E+01	1.4498E-01	1.5913E+01	2.1776E+05	1.1401E+03
1.0923E+01	3.2952E-01	3.6168E+01	4.9492E+05	1.1351E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.0978E+01	7.5429E-01	8.2791E+01	1.1329E+06	1.1294E+03
1.0990E+01	7.2415E-01	7.9483E+01	1.0876E+06	1.1282E+03
1.1045E+01	1.0143E+00	1.1133E+02	1.5235E+06	1.1225E+03
1.1071E+01	6.1202E-01	6.7176E+01	9.1922E+05	1.1199E+03
1.1112E+01	3.4966E-01	3.8379E+01	5.2516E+05	1.1158E+03
1.1133E+01	3.1533E-01	3.4611E+01	4.7361E+05	1.1137E+03
1.1167E+01	1.6547E-01	1.8162E+01	2.4852E+05	1.1103E+03
1.1193E+01	1.3838E-01	1.5189E+01	2.0784E+05	1.1077E+03
1.1241E+01	1.1472E-01	1.2592E+01	1.7230E+05	1.1030E+03
1.1262E+01	9.1836E-02	1.0080E+01	1.3793E+05	1.1009E+03
1.1322E+01	1.9668E-01	2.1587E+01	2.9539E+05	1.0951E+03
1.1336E+01	3.1640E-01	3.4728E+01	4.7521E+05	1.0937E+03
1.1377E+01	7.9074E-01	8.6792E+01	1.1876E+06	1.0898E+03
1.1403E+01	2.8511E-01	3.1293E+01	4.2821E+05	1.0873E+03
1.1418E+01	2.2143E-01	2.4304E+01	3.3257E+05	1.0859E+03
1.1470E+01	1.4361E-01	1.5763E+01	2.1570E+05	1.0809E+03
1.1492E+01	1.8251E-01	2.0032E+01	2.7411E+05	1.0789E+03
1.1525E+01	2.6333E-01	2.8903E+01	3.9551E+05	1.0758E+03
1.1544E+01	2.0384E-01	2.2374E+01	3.0616E+05	1.0740E+03
1.1585E+01	2.1373E-01	2.3460E+01	3.2102E+05	1.0702E+03
1.1621E+01	1.5004E-01	1.6469E+01	2.2536E+05	1.0669E+03
1.1666E+01	2.3621E-01	2.5926E+01	3.5477E+05	1.0628E+03
1.1714E+01	1.6946E-01	1.8600E+01	2.5451E+05	1.0584E+03
1.1735E+01	1.8012E-01	1.9771E+01	2.7053E+05	1.0565E+03
1.1769E+01	1.6410E-01	1.8012E+01	2.4647E+05	1.0535E+03
1.1817E+01	2.5789E-01	2.8306E+01	3.8733E+05	1.0492E+03
1.1843E+01	1.6597E-01	1.8217E+01	2.4928E+05	1.0469E+03
1.1876E+01	1.5757E-01	1.7295E+01	2.3667E+05	1.0440E+03
1.1917E+01	1.7472E-01	1.9177E+01	2.6242E+05	1.0404E+03
1.1924E+01	1.9951E-01	2.1898E+01	2.9965E+05	1.0398E+03
1.1965E+01	3.8595E-01	4.2363E+01	5.7968E+05	1.0362E+03
1.2017E+01	1.9528E-01	2.1434E+01	2.9330E+05	1.0317E+03
1.2053E+01	2.2310E-01	2.4488E+01	3.3508E+05	1.0287E+03
1.2087E+01	2.5130E-01	2.7583E+01	3.7744E+05	1.0258E+03
1.2139E+01	4.9838E-01	5.4703E+01	7.4854E+05	1.0214E+03
1.2180E+01	2.7606E-01	3.0300E+01	4.1462E+05	1.0179E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.2221E+01	2.6307E-01	2.8875E+01	3.9512E+05	1.0145E+03
1.2254E+01	3.0082E-01	3.3018E+01	4.5181E+05	1.0118E+03
1.2295E+01	4.8955E-01	5.3733E+01	7.3527E+05	1.0084E+03
1.2357E+01	3.4729E-01	3.8119E+01	5.2161E+05	1.0034E+03
1.2405E+01	3.7206E-01	4.0838E+01	5.5882E+05	9.9947E+02
1.2438E+01	4.5060E-01	4.9458E+01	6.7678E+05	9.9682E+02
1.2471E+01	6.6222E-01	7.2686E+01	9.9462E+05	9.9418E+02
1.2526E+01	4.1396E-01	4.5436E+01	6.2174E+05	9.8981E+02
1.2565E+01	3.2014E-01	3.5139E+01	4.8083E+05	9.8674E+02
1.2601E+01	4.1279E-01	4.5308E+01	6.1999E+05	9.8392E+02
1.2634E+01	5.6378E-01	6.1881E+01	8.4677E+05	9.8135E+02
1.2675E+01	3.6853E-01	4.0451E+01	5.5351E+05	9.7818E+02
1.2701E+01	3.4717E-01	3.8106E+01	5.2143E+05	9.7618E+02
1.2742E+01	2.8118E-01	3.0863E+01	4.2232E+05	9.7304E+02
1.2801E+01	3.4370E-01	3.7724E+01	5.1621E+05	9.6855E+02
1.2823E+01	3.2006E-01	3.5130E+01	4.8070E+05	9.6689E+02
1.2842E+01	3.3949E-01	3.7262E+01	5.0989E+05	9.6546E+02
1.2918E+01	5.3470E-01	5.8689E+01	8.0308E+05	9.5978E+02
1.2937E+01	5.0342E-01	5.5256E+01	7.5611E+05	9.5837E+02
1.2971E+01	5.0646E-01	5.5589E+01	7.6066E+05	9.5586E+02
1.3033E+01	6.5210E-01	7.1575E+01	9.7941E+05	9.5131E+02
1.3093E+01	4.6218E-01	5.0729E+01	6.9416E+05	9.4695E+02
1.3160E+01	5.3118E-01	5.8303E+01	7.9780E+05	9.4213E+02
1.3167E+01	5.7350E-01	6.2948E+01	8.6137E+05	9.4163E+02
1.3196E+01	5.8950E-01	6.4704E+01	8.8539E+05	9.3956E+02
1.3229E+01	6.5088E-01	7.1442E+01	9.7759E+05	9.3722E+02
1.3262E+01	5.9367E-01	6.5162E+01	8.9166E+05	9.3488E+02
1.3296E+01	6.5848E-01	7.2275E+01	9.8900E+05	9.3249E+02
1.3344E+01	6.1538E-01	6.7545E+01	9.2426E+05	9.2914E+02
1.3411E+01	6.4967E-01	7.1308E+01	9.7576E+05	9.2450E+02
1.3432E+01	6.4433E-01	7.0722E+01	9.6774E+05	9.2305E+02
1.3458E+01	6.9389E-01	7.6162E+01	1.0422E+06	9.2127E+02
1.3485E+01	6.5536E-01	7.1933E+01	9.8431E+05	9.1942E+02
1.3518E+01	6.8853E-01	7.5574E+01	1.0341E+06	9.1718E+02
1.3559E+01	6.9614E-01	7.6409E+01	1.0456E+06	9.1441E+02
1.3592E+01	6.7134E-01	7.3687E+01	1.0083E+06	9.1219E+02

Table II. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.3621E+01	7.2204E-01	7.9252E+01	1.0845E+06	9.1024E+02
1.3647E+01	7.5330E-01	8.2683E+01	1.1314E+06	9.0851E+02
1.3681E+01	7.4375E-01	8.1635E+01	1.1171E+06	9.0625E+02
1.3729E+01	8.1580E-01	8.9543E+01	1.2253E+06	9.0308E+02
1.3755E+01	8.0627E-01	8.8497E+01	1.2110E+06	9.0138E+02
1.3776E+01	8.2532E-01	9.0588E+01	1.2396E+06	8.9998E+02
1.3780E+01	7.7897E-01	8.5500E+01	1.1700E+06	8.9973E+02
1.3783E+01	8.0191E-01	8.8018E+01	1.2044E+06	8.9954E+02
1.3786E+01	7.9264E-01	8.7001E+01	1.1905E+06	8.9936E+02
1.3790E+01	8.4592E-01	9.2849E+01	1.2705E+06	8.9910E+02
1.3794E+01	7.8927E-01	8.6631E+01	1.1854E+06	8.9881E+02
1.3796E+01	8.1740E-01	8.9718E+01	1.2277E+06	8.9867E+02
1.3799E+01	7.7445E-01	8.5005E+01	1.1632E+06	8.9849E+02
1.3803E+01	6.8043E-01	7.4685E+01	1.0220E+06	8.9827E+02
1.3806E+01	7.6628E-01	8.4108E+01	1.1509E+06	8.9805E+02
1.3814E+01	7.0666E-01	7.7564E+01	1.0614E+06	8.9753E+02
1.3818E+01	7.3589E-01	8.0772E+01	1.1053E+06	8.9729E+02
1.3821E+01	7.9953E-01	8.7758E+01	1.2009E+06	8.9709E+02
1.3825E+01	7.1698E-01	7.8697E+01	1.0769E+06	8.9682E+02
1.3827E+01	7.3178E-01	8.0320E+01	1.0991E+06	8.9666E+02
1.3831E+01	6.8957E-01	7.5687E+01	1.0357E+06	8.9643E+02
1.3835E+01	7.0103E-01	7.6945E+01	1.0529E+06	8.9619E+02
1.3839E+01	6.7621E-01	7.4221E+01	1.0156E+06	8.9590E+02
1.3843E+01	7.3245E-01	8.0395E+01	1.1001E+06	8.9566E+02
1.3846E+01	7.3762E-01	8.0962E+01	1.1079E+06	8.9545E+02
1.3849E+01	7.5574E-01	8.2951E+01	1.1351E+06	8.9526E+02
1.3853E+01	7.1353E-01	7.8318E+01	1.0717E+06	8.9498E+02
1.3857E+01	7.3572E-01	8.0754E+01	1.1050E+06	8.9474E+02
1.3863E+01	6.4243E-01	7.0513E+01	9.6489E+05	8.9433E+02
1.3868E+01	7.2309E-01	7.9367E+01	1.0860E+06	8.9403E+02
1.3872E+01	7.5010E-01	8.2331E+01	1.1266E+06	8.9377E+02
1.3874E+01	7.3343E-01	8.0502E+01	1.1016E+06	8.9363E+02
1.3878E+01	6.7679E-01	7.4285E+01	1.0165E+06	8.9340E+02
1.3881E+01	6.5901E-01	7.2333E+01	9.8979E+05	8.9317E+02
1.3884E+01	6.1200E-01	6.7173E+01	9.1918E+05	8.9302E+02
1.3887E+01	6.0458E-01	6.6359E+01	9.0804E+05	8.9278E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.3891E+01	6.1308E-01	6.7292E+01	9.2081E+05	8.9255E+02
1.3894E+01	6.3194E-01	6.9362E+01	9.4913E+05	8.9236E+02
1.3902E+01	5.6603E-01	6.2128E+01	8.5015E+05	8.9184E+02
1.3908E+01	6.8296E-01	7.4962E+01	1.0258E+06	8.9148E+02
1.3914E+01	6.0780E-01	6.6713E+01	9.1288E+05	8.9105E+02
1.3916E+01	5.9299E-01	6.5087E+01	8.9064E+05	8.9092E+02
1.3921E+01	6.1703E-01	6.7725E+01	9.2674E+05	8.9062E+02
1.3925E+01	5.7407E-01	6.3011E+01	8.6223E+05	8.9034E+02
1.3933E+01	5.6369E-01	6.1871E+01	8.4662E+05	8.8986E+02
1.3937E+01	5.7625E-01	6.3250E+01	8.6550E+05	8.8961E+02
1.3938E+01	5.9919E-01	6.5768E+01	8.9995E+05	8.8952E+02
1.3942E+01	5.7216E-01	6.2801E+01	8.5935E+05	8.8929E+02
1.3947E+01	5.5511E-01	6.0930E+01	8.3375E+05	8.8895E+02
1.3950E+01	5.5844E-01	6.1295E+01	8.3874E+05	8.8879E+02
1.3953E+01	5.4177E-01	5.9465E+01	8.1370E+05	8.8856E+02
1.3959E+01	5.5211E-01	6.0600E+01	8.2923E+05	8.8822E+02
1.3962E+01	5.3618E-01	5.8852E+01	8.0531E+05	8.8798E+02
1.3965E+01	5.4172E-01	5.9460E+01	8.1363E+05	8.8784E+02
1.3972E+01	5.0172E-01	5.5069E+01	7.5355E+05	8.8736E+02
1.3982E+01	5.1648E-01	5.6690E+01	7.7573E+05	8.8674E+02
1.3984E+01	5.0907E-01	5.5877E+01	7.6460E+05	8.8659E+02
1.3988E+01	5.0906E-01	5.5874E+01	7.6457E+05	8.8635E+02
1.3995E+01	4.8904E-01	5.3678E+01	7.3451E+05	8.8593E+02
1.3999E+01	4.7015E-01	5.1604E+01	7.0614E+05	8.8564E+02
1.4002E+01	4.7976E-01	5.2659E+01	7.2057E+05	8.8549E+02
1.4008E+01	4.7864E-01	5.2535E+01	7.1888E+05	8.8511E+02
1.4012E+01	4.6381E-01	5.0909E+01	6.9662E+05	8.8486E+02
1.4014E+01	4.7342E-01	5.1963E+01	7.1105E+05	8.8472E+02
1.4019E+01	4.7747E-01	5.2408E+01	7.1713E+05	8.8438E+02
1.4026E+01	4.5339E-01	4.9765E+01	6.8096E+05	8.8396E+02
1.4030E+01	4.5745E-01	5.0210E+01	6.8706E+05	8.8372E+02
1.4035E+01	4.4817E-01	4.9191E+01	6.7312E+05	8.8338E+02
1.4038E+01	4.1670E-01	4.5738E+01	6.2586E+05	8.8318E+02
1.4041E+01	4.5333E-01	4.9757E+01	6.8087E+05	8.8299E+02
1.4047E+01	4.3443E-01	4.7683E+01	6.5249E+05	8.8265E+02
1.4050E+01	4.3553E-01	4.7804E+01	6.5414E+05	8.8247E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.4059E+01	4.0626E-01	4.4592E+01	6.1018E+05	8.8189E+02
1.4065E+01	4.1955E-01	4.6050E+01	6.3014E+05	8.8150E+02
1.4072E+01	3.9029E-01	4.2839E+01	5.8620E+05	8.8108E+02
1.4077E+01	3.8509E-01	4.2268E+01	5.7838E+05	8.8074E+02
1.4083E+01	3.6619E-01	4.0194E+01	5.5000E+05	8.8040E+02
1.4087E+01	3.7579E-01	4.1248E+01	5.6442E+05	8.8011E+02
1.4093E+01	3.8206E-01	4.1935E+01	5.7383E+05	8.7974E+02
1.4104E+01	3.5796E-01	3.9290E+01	5.3763E+05	8.7906E+02
1.4112E+01	3.6201E-01	3.9734E+01	5.4371E+05	8.7858E+02
1.4130E+01	3.3676E-01	3.6963E+01	5.0580E+05	8.7748E+02
1.4137E+01	3.3452E-01	3.6717E+01	5.0243E+05	8.7704E+02
1.4142E+01	3.3894E-01	3.7203E+01	5.0907E+05	8.7671E+02
1.4153E+01	3.1484E-01	3.4557E+01	4.7288E+05	8.7604E+02
1.4189E+01	2.8731E-01	3.1535E+01	4.3152E+05	8.7378E+02
1.4194E+01	2.8952E-01	3.1777E+01	4.3483E+05	8.7349E+02
1.4200E+01	2.7875E-01	3.0596E+01	4.1867E+05	8.7310E+02
1.4206E+01	2.8318E-01	3.1082E+01	4.2531E+05	8.7278E+02
1.4215E+01	2.7351E-01	3.0021E+01	4.1080E+05	8.7220E+02
1.4223E+01	2.7348E-01	3.0018E+01	4.1076E+05	8.7171E+02
1.4246E+01	2.4638E-01	2.7043E+01	3.7005E+05	8.7028E+02
1.4254E+01	2.4745E-01	2.7161E+01	3.7166E+05	8.6979E+02
1.4290E+01	2.2511E-01	2.4708E+01	3.3810E+05	8.6763E+02
1.4296E+01	2.2620E-01	2.4828E+01	3.3974E+05	8.6724E+02
1.4308E+01	2.1764E-01	2.3888E+01	3.2688E+05	8.6653E+02
1.4318E+01	2.1760E-01	2.3884E+01	3.2682E+05	8.6595E+02
1.4349E+01	1.9861E-01	2.1800E+01	2.9830E+05	8.6408E+02
1.4356E+01	2.0080E-01	2.2040E+01	3.0159E+05	8.6364E+02
1.4403E+01	1.8175E-01	1.9949E+01	2.7297E+05	8.6085E+02
1.4456E+01	1.6600E-01	1.8220E+01	2.4932E+05	8.5767E+02
1.4465E+01	1.6782E-01	1.8420E+01	2.5206E+05	8.5711E+02
1.4504E+01	1.5547E-01	1.7064E+01	2.3350E+05	8.5485E+02
1.4513E+01	1.5728E-01	1.7263E+01	2.3622E+05	8.5432E+02
1.4542E+01	1.4903E-01	1.6357E+01	2.2383E+05	8.5259E+02
1.4611E+01	1.4026E-01	1.5395E+01	2.1066E+05	8.4859E+02
1.4663E+01	1.3156E-01	1.4440E+01	1.9759E+05	8.4557E+02
1.4671E+01	1.2856E-01	1.4111E+01	1.9309E+05	8.4508E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.4680E+01	1.3149E-01	1.4433E+01	1.9750E+05	8.4460E+02
1.4710E+01	1.2621E-01	1.3853E+01	1.8956E+05	8.4287E+02
1.4752E+01	1.2198E-01	1.3388E+01	1.8320E+05	8.4047E+02
1.4805E+01	1.1772E-01	1.2921E+01	1.7680E+05	8.3744E+02
1.4836E+01	1.1539E-01	1.2665E+01	1.7331E+05	8.3571E+02
1.4847E+01	1.2164E-01	1.3351E+01	1.8269E+05	8.3508E+02
1.4862E+01	1.1752E-01	1.2899E+01	1.7650E+05	8.3426E+02
1.4878E+01	1.1746E-01	1.2893E+01	1.7642E+05	8.3334E+02
1.4898E+01	1.2368E-01	1.3575E+01	1.8576E+05	8.3224E+02
1.4921E+01	1.1175E-01	1.2266E+01	1.6785E+05	8.3095E+02
1.4938E+01	1.1170E-01	1.2260E+01	1.6776E+05	8.3000E+02
1.4943E+01	1.1136E-01	1.2223E+01	1.6726E+05	8.2974E+02
1.4961E+01	1.1484E-01	1.2605E+01	1.7248E+05	8.2873E+02
1.4977E+01	1.3849E-01	1.5201E+01	2.0801E+05	8.2785E+02
1.4985E+01	1.4121E-01	1.5500E+01	2.1209E+05	8.2741E+02
1.5007E+01	1.2066E-01	1.3243E+01	1.8122E+05	8.2618E+02
1.5023E+01	1.1747E-01	1.2894E+01	1.7643E+05	8.2528E+02
1.5043E+01	1.3818E-01	1.5167E+01	2.0754E+05	8.2420E+02
1.5062E+01	1.2057E-01	1.3234E+01	1.8110E+05	8.2316E+02
1.5081E+01	1.3459E-01	1.4773E+01	2.0215E+05	8.2214E+02
1.5086E+01	1.4119E-01	1.5498E+01	2.1207E+05	8.2185E+02
1.5097E+01	1.4098E-01	1.5474E+01	2.1175E+05	8.2123E+02
1.5106E+01	1.5710E-01	1.7243E+01	2.3595E+05	8.2074E+02
1.5114E+01	1.5888E-01	1.7439E+01	2.3863E+05	8.2035E+02
1.5124E+01	1.4623E-01	1.6051E+01	2.1963E+05	8.1979E+02
1.5134E+01	1.3836E-01	1.5187E+01	2.0781E+05	8.1922E+02
1.5139E+01	1.2966E-01	1.4232E+01	1.9474E+05	8.1899E+02
1.5144E+01	1.3627E-01	1.4957E+01	2.0466E+05	8.1869E+02
1.5159E+01	1.3215E-01	1.4505E+01	1.9849E+05	8.1788E+02
1.5178E+01	1.6245E-01	1.7831E+01	2.4400E+05	8.1685E+02
1.5187E+01	1.7093E-01	1.8761E+01	2.5672E+05	8.1641E+02
1.5194E+01	1.6216E-01	1.7799E+01	2.4356E+05	8.1599E+02
1.5208E+01	1.5327E-01	1.6823E+01	2.3020E+05	8.1523E+02
1.5225E+01	1.6447E-01	1.8052E+01	2.4702E+05	8.1435E+02
1.5239E+01	1.6707E-01	1.8338E+01	2.5093E+05	8.1358E+02
1.5252E+01	1.6397E-01	1.7997E+01	2.4627E+05	8.1292E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.5256E+01	1.5813E-01	1.7357E+01	2.3750E+05	8.1268E+02
1.5268E+01	1.5601E-01	1.7123E+01	2.3431E+05	8.1206E+02
1.5282E+01	1.6053E-01	1.7620E+01	2.4111E+05	8.1129E+02
1.5289E+01	1.6999E-01	1.8659E+01	2.5532E+05	8.1095E+02
1.5323E+01	1.8757E-01	2.0588E+01	2.8172E+05	8.0916E+02
1.5328E+01	1.7981E-01	1.9736E+01	2.7007E+05	8.0888E+02
1.5342E+01	1.7573E-01	1.9288E+01	2.6393E+05	8.0816E+02
1.5348E+01	1.7849E-01	1.9591E+01	2.6807E+05	8.0782E+02
1.5363E+01	1.9642E-01	2.1559E+01	2.9501E+05	8.0704E+02
1.5366E+01	1.9253E-01	2.1132E+01	2.8916E+05	8.0685E+02
1.5371E+01	1.9245E-01	2.1123E+01	2.8904E+05	8.0661E+02
1.5384E+01	1.7399E-01	1.9097E+01	2.6132E+05	8.0591E+02
1.5394E+01	1.6903E-01	1.8553E+01	2.5388E+05	8.0543E+02
1.5401E+01	1.7082E-01	1.8749E+01	2.5656E+05	8.0505E+02
1.5413E+01	1.8401E-01	2.0197E+01	2.7637E+05	8.0441E+02
1.5425E+01	1.9625E-01	2.1540E+01	2.9475E+05	8.0378E+02
1.5437E+01	1.9028E-01	2.0886E+01	2.8579E+05	8.0316E+02
1.5448E+01	1.8913E-01	2.0759E+01	2.8406E+05	8.0259E+02
1.5463E+01	2.0324E-01	2.2307E+01	3.0525E+05	8.0181E+02
1.5480E+01	2.2784E-01	2.5008E+01	3.4220E+05	8.0093E+02
1.5486E+01	2.2774E-01	2.4997E+01	3.4205E+05	8.0064E+02
1.5495E+01	2.0841E-01	2.2875E+01	3.1302E+05	8.0018E+02
1.5511E+01	1.8416E-01	2.0214E+01	2.7660E+05	7.9933E+02
1.5529E+01	1.8577E-01	2.0390E+01	2.7901E+05	7.9842E+02
1.5542E+01	1.9894E-01	2.1836E+01	2.9880E+05	7.9774E+02
1.5545E+01	1.9507E-01	2.1411E+01	2.9298E+05	7.9760E+02
1.5550E+01	1.9783E-01	2.1714E+01	2.9713E+05	7.9731E+02
1.5563E+01	2.2732E-01	2.4951E+01	3.4142E+05	7.9666E+02
1.5567E+01	2.1669E-01	2.3784E+01	3.2546E+05	7.9643E+02
1.5581E+01	2.3754E-01	2.6073E+01	3.5677E+05	7.9574E+02
1.5584E+01	2.3462E-01	2.5752E+01	3.5238E+05	7.9560E+02
1.5590E+01	2.4314E-01	2.6687E+01	3.6518E+05	7.9530E+02
1.5604E+01	2.1988E-01	2.4134E+01	3.3025E+05	7.9456E+02
1.5612E+01	2.1400E-01	2.3489E+01	3.2141E+05	7.9418E+02
1.5615E+01	2.0531E-01	2.2535E+01	3.0836E+05	7.9399E+02
1.5633E+01	1.9637E-01	2.1553E+01	2.9493E+05	7.9309E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.5640E+01	1.9913E-01	2.1857E+01	2.9908E+05	7.9275E+02
1.5655E+01	1.8929E-01	2.0776E+01	2.8429E+05	7.9200E+02
1.5668E+01	1.9096E-01	2.0960E+01	2.8681E+05	7.9132E+02
1.5680E+01	2.0801E-01	2.2831E+01	3.1242E+05	7.9073E+02
1.5685E+01	2.0887E-01	2.2926E+01	3.1371E+05	7.9044E+02
1.5707E+01	2.4491E-01	2.6881E+01	3.6783E+05	7.8936E+02
1.5712E+01	2.6111E-01	2.8660E+01	3.9217E+05	7.8911E+02
1.5716E+01	2.5242E-01	2.7705E+01	3.7911E+05	7.8892E+02
1.5723E+01	2.7051E-01	2.9691E+01	4.0629E+05	7.8857E+02
1.5725E+01	2.7045E-01	2.9685E+01	4.0620E+05	7.8843E+02
1.5731E+01	2.8376E-01	3.1146E+01	4.2619E+05	7.8813E+02
1.5735E+01	2.9617E-01	3.2507E+01	4.4482E+05	7.8797E+02
1.5738E+01	3.5264E-01	3.8706E+01	5.2964E+05	7.8778E+02
1.5744E+01	4.1195E-01	4.5216E+01	6.1872E+05	7.8749E+02
1.5749E+01	3.3330E-01	3.6583E+01	5.0060E+05	7.8727E+02
1.5753E+01	2.6614E-01	2.9212E+01	3.9972E+05	7.8704E+02
1.5763E+01	2.0848E-01	2.2882E+01	3.1312E+05	7.8656E+02
1.5774E+01	1.8816E-01	2.0652E+01	2.8260E+05	7.8600E+02
1.5784E+01	2.0428E-01	2.2422E+01	3.0682E+05	7.8551E+02
1.5790E+01	2.3291E-01	2.5565E+01	3.4982E+05	7.8520E+02
1.5795E+01	2.3475E-01	2.5766E+01	3.5258E+05	7.8496E+02
1.5806E+01	2.0581E-01	2.2590E+01	3.0911E+05	7.8441E+02
1.5812E+01	2.0762E-01	2.2789E+01	3.1184E+05	7.8412E+02
1.5820E+01	2.1612E-01	2.3721E+01	3.2459E+05	7.8373E+02
1.5843E+01	2.6076E-01	2.8621E+01	3.9165E+05	7.8259E+02
1.5853E+01	2.7017E-01	2.9654E+01	4.0578E+05	7.8210E+02
1.5863E+01	2.9204E-01	3.2055E+01	4.3863E+05	7.8160E+02
1.5871E+01	2.9861E-01	3.2776E+01	4.4850E+05	7.8121E+02
1.5878E+01	3.9432E-01	4.3281E+01	5.9224E+05	7.8084E+02
1.5886E+01	5.2931E-01	5.8097E+01	7.9499E+05	7.8048E+02
1.5894E+01	4.3046E-01	4.7248E+01	6.4653E+05	7.8009E+02
1.5897E+01	3.9303E-01	4.3140E+01	5.9031E+05	7.7993E+02
1.5905E+01	2.5969E-01	2.8504E+01	3.9004E+05	7.7952E+02
1.5908E+01	2.5198E-01	2.7657E+01	3.7845E+05	7.7938E+02
1.5914E+01	2.4901E-01	2.7331E+01	3.7400E+05	7.7910E+02
1.5921E+01	2.6326E-01	2.8896E+01	3.9540E+05	7.7875E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.5924E+01	2.9099E-01	3.1939E+01	4.3705E+05	7.7858E+02
1.5932E+01	3.5314E-01	3.8761E+01	5.3040E+05	7.7819E+02
1.5937E+01	3.2624E-01	3.5808E+01	4.8999E+05	7.7798E+02
1.5944E+01	2.5233E-01	2.7695E+01	3.7898E+05	7.7761E+02
1.5946E+01	2.4367E-01	2.6745E+01	3.6598E+05	7.7752E+02
1.5951E+01	2.3880E-01	2.6210E+01	3.5866E+05	7.7729E+02
1.5956E+01	2.4446E-01	2.6832E+01	3.6716E+05	7.7704E+02
1.5962E+01	2.4723E-01	2.7136E+01	3.7133E+05	7.7675E+02
1.5976E+01	2.7670E-01	3.0371E+01	4.1559E+05	7.7605E+02
1.5985E+01	2.7654E-01	3.0354E+01	4.1535E+05	7.7562E+02
1.5992E+01	2.8601E-01	3.1392E+01	4.2957E+05	7.7528E+02
1.5997E+01	3.1660E-01	3.4751E+01	4.7552E+05	7.7506E+02
1.6004E+01	3.3277E-01	3.6525E+01	4.9980E+05	7.7471E+02
1.6010E+01	3.6621E-01	4.0196E+01	5.5003E+05	7.7444E+02
1.6014E+01	4.5717E-01	5.0180E+01	6.8665E+05	7.7422E+02
1.6021E+01	5.5576E-01	6.1001E+01	8.3472E+05	7.7389E+02
1.6029E+01	4.4734E-01	4.9101E+01	6.7188E+05	7.7351E+02
1.6033E+01	4.3578E-01	4.7832E+01	6.5452E+05	7.7333E+02
1.6036E+01	3.5714E-01	3.9201E+01	5.3641E+05	7.7316E+02
1.6042E+01	2.6600E-01	2.9197E+01	3.9952E+05	7.7285E+02
1.6047E+01	2.5155E-01	2.7610E+01	3.7781E+05	7.7262E+02
1.6054E+01	2.6389E-01	2.8964E+01	3.9634E+05	7.7228E+02
1.6063E+01	3.3658E-01	3.6943E+01	5.0552E+05	7.7188E+02
1.6070E+01	4.0641E-01	4.4608E+01	6.1040E+05	7.7153E+02
1.6077E+01	3.4689E-01	3.8074E+01	5.2100E+05	7.7120E+02
1.6078E+01	3.0757E-01	3.3759E+01	4.6195E+05	7.7114E+02
1.6087E+01	2.7388E-01	3.0061E+01	4.1135E+05	7.7069E+02
1.6091E+01	2.7574E-01	3.0265E+01	4.1414E+05	7.7054E+02
1.6096E+01	2.5840E-01	2.8362E+01	3.8810E+05	7.7027E+02
1.6101E+01	2.4011E-01	2.6355E+01	3.6064E+05	7.7005E+02
1.6109E+01	2.5914E-01	2.8443E+01	3.8921E+05	7.6965E+02
1.6114E+01	2.5522E-01	2.8013E+01	3.8332E+05	7.6941E+02
1.6120E+01	2.6566E-01	2.9159E+01	3.9901E+05	7.6911E+02
1.6122E+01	2.7619E-01	3.0315E+01	4.1482E+05	7.6906E+02
1.6127E+01	2.7993E-01	3.0726E+01	4.2044E+05	7.6881E+02
1.6131E+01	3.2010E-01	3.5135E+01	4.8077E+05	7.6859E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.6139E+01	4.0909E-01	4.4902E+01	6.1443E+05	7.6822E+02
1.6148E+01	4.3387E-01	4.7622E+01	6.5165E+05	7.6782E+02
1.6156E+01	6.0814E-01	6.6750E+01	9.1339E+05	7.6743E+02
1.6164E+01	5.3518E-01	5.8742E+01	8.0381E+05	7.6706E+02
1.6173E+01	4.8616E-01	5.3361E+01	7.3018E+05	7.6662E+02
1.6182E+01	5.3584E-01	5.8814E+01	8.0480E+05	7.6619E+02
1.6190E+01	6.7178E-01	7.3735E+01	1.0090E+06	7.6579E+02
1.6200E+01	7.9237E-01	8.6971E+01	1.1901E+06	7.6535E+02
1.6214E+01	6.0624E-01	6.6541E+01	9.1053E+05	7.6469E+02
1.6222E+01	4.7481E-01	5.2115E+01	7.1313E+05	7.6428E+02
1.6228E+01	3.9326E-01	4.3165E+01	5.9066E+05	7.6402E+02
1.6235E+01	3.5576E-01	3.9049E+01	5.3433E+05	7.6367E+02
1.6240E+01	3.9210E-01	4.3037E+01	5.8891E+05	7.6344E+02
1.6243E+01	4.2943E-01	4.7134E+01	6.4497E+05	7.6331E+02
1.6249E+01	4.2167E-01	4.6283E+01	6.3332E+05	7.6303E+02
1.6257E+01	4.5221E-01	4.9635E+01	6.7919E+05	7.6267E+02
1.6272E+01	3.9638E-01	4.3507E+01	5.9533E+05	7.6195E+02
1.6284E+01	4.3356E-01	4.7588E+01	6.5118E+05	7.6139E+02
1.6291E+01	4.1428E-01	4.5471E+01	6.2222E+05	7.6108E+02
1.6293E+01	4.2287E-01	4.6414E+01	6.3512E+05	7.6097E+02
1.6297E+01	4.6784E-01	5.1351E+01	7.0267E+05	7.6079E+02
1.6305E+01	4.1117E-01	4.5131E+01	6.1755E+05	7.6041E+02
1.6311E+01	3.1236E-01	3.4285E+01	4.6915E+05	7.6011E+02
1.6315E+01	2.9252E-01	3.2107E+01	4.3935E+05	7.5994E+02
1.6324E+01	2.9217E-01	3.2069E+01	4.3882E+05	7.5954E+02
1.6331E+01	3.1377E-01	3.4440E+01	4.7127E+05	7.5920E+02
1.6337E+01	3.4166E-01	3.7501E+01	5.1316E+05	7.5892E+02
1.6342E+01	3.4460E-01	3.7824E+01	5.1757E+05	7.5870E+02
1.6349E+01	2.6927E-01	2.9555E+01	4.0443E+05	7.5835E+02
1.6355E+01	2.3153E-01	2.5413E+01	3.4775E+05	7.5809E+02
1.6360E+01	2.0942E-01	2.2986E+01	3.1453E+05	7.5784E+02
1.6371E+01	2.0586E-01	2.2596E+01	3.0920E+05	7.5734E+02
1.6386E+01	2.3967E-01	2.6306E+01	3.5996E+05	7.5665E+02
1.6395E+01	2.7369E-01	3.0040E+01	4.1106E+05	7.5622E+02
1.6413E+01	3.2615E-01	3.5798E+01	4.8985E+05	7.5541E+02
1.6430E+01	3.9110E-01	4.2928E+01	5.8741E+05	7.5461E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.6434E+01	4.4723E-01	4.9089E+01	6.7172E+05	7.5444E+02
1.6437E+01	5.4092E-01	5.9371E+01	8.1242E+05	7.5431E+02
1.6441E+01	6.9394E-01	7.6168E+01	1.0423E+06	7.5412E+02
1.6444E+01	5.8127E-01	6.3801E+01	8.7304E+05	7.5398E+02
1.6447E+01	4.9361E-01	5.4179E+01	7.4138E+05	7.5384E+02
1.6451E+01	4.9972E-01	5.4850E+01	7.5055E+05	7.5368E+02
1.6456E+01	5.8391E-01	6.4091E+01	8.7700E+05	7.5341E+02
1.6461E+01	7.4319E-01	8.1573E+01	1.1162E+06	7.5321E+02
1.6465E+01	1.0432E+00	1.1450E+02	1.5668E+06	7.5303E+02
1.6469E+01	1.6370E+00	1.7968E+02	2.4587E+06	7.5282E+02
1.6474E+01	2.4059E+00	2.6407E+02	3.6135E+06	7.5261E+02
1.6479E+01	3.1717E+00	3.4813E+02	4.7637E+06	7.5238E+02
1.6483E+01	2.4899E+00	2.7329E+02	3.7397E+06	7.5218E+02
1.6487E+01	9.8288E-01	1.0788E+02	1.4762E+06	7.5202E+02
1.6491E+01	4.5749E-01	5.0215E+01	6.8713E+05	7.5183E+02
1.6493E+01	2.8858E-01	3.1675E+01	4.3343E+05	7.5172E+02
1.6498E+01	2.0711E-01	2.2733E+01	3.1107E+05	7.5151E+02
1.6501E+01	1.6947E-01	1.8601E+01	2.5454E+05	7.5137E+02
1.6506E+01	1.5366E-01	1.6866E+01	2.3079E+05	7.5116E+02
1.6523E+01	1.3111E-01	1.4391E+01	1.9692E+05	7.5038E+02
1.6535E+01	1.5250E-01	1.6738E+01	2.2904E+05	7.4981E+02
1.6547E+01	1.8019E-01	1.9778E+01	2.7063E+05	7.4929E+02
1.6556E+01	2.5800E-01	2.8318E+01	3.8749E+05	7.4888E+02
1.6563E+01	2.6397E-01	2.8973E+01	3.9646E+05	7.4855E+02
1.6569E+01	3.0438E-01	3.3409E+01	4.5716E+05	7.4829E+02
1.6575E+01	4.1360E-01	4.5397E+01	6.2120E+05	7.4804E+02
1.6581E+01	5.4776E-01	6.0122E+01	8.2270E+05	7.4773E+02
1.6586E+01	1.9742E-01	2.1669E+01	2.9651E+05	7.4751E+02
1.6591E+01	1.7537E-01	1.9249E+01	2.6340E+05	7.4732E+02
1.6598E+01	1.9072E-01	2.0934E+01	2.8645E+05	7.4699E+02
1.6609E+01	1.9652E-01	2.1570E+01	2.9516E+05	7.4647E+02
1.6619E+01	2.7434E-01	3.0111E+01	4.1204E+05	7.4606E+02
1.6624E+01	2.6788E-01	2.9403E+01	4.0234E+05	7.4583E+02
1.6627E+01	2.9275E-01	3.2132E+01	4.3969E+05	7.4566E+02
1.6631E+01	2.8010E-01	3.0744E+01	4.2069E+05	7.4549E+02
1.6639E+01	1.5787E-01	1.7327E+01	2.3710E+05	7.4514E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.6646E+01	1.2635E-01	1.3868E+01	1.8976E+05	7.4484E+02
1.6664E+01	1.2563E-01	1.3789E+01	1.8869E+05	7.4401E+02
1.6669E+01	1.4423E-01	1.5830E+01	2.1662E+05	7.4382E+02
1.6681E+01	1.5939E-01	1.7494E+01	2.3939E+05	7.4327E+02
1.6692E+01	2.2774E-01	2.4997E+01	3.4205E+05	7.4277E+02
1.6696E+01	2.4008E-01	2.6351E+01	3.6058E+05	7.4258E+02
1.6701E+01	2.2427E-01	2.4616E+01	3.3684E+05	7.4237E+02
1.6708E+01	2.7403E-01	3.0078E+01	4.1158E+05	7.4208E+02
1.6713E+01	3.6137E-01	3.9664E+01	5.4275E+05	7.4184E+02
1.6719E+01	5.8938E-01	6.4691E+01	8.8522E+05	7.4159E+02
1.6723E+01	2.6094E-01	2.8642E+01	3.9192E+05	7.4140E+02
1.6725E+01	1.9835E-01	2.1771E+01	2.9792E+05	7.4133E+02
1.6728E+01	1.7010E-01	1.8671E+01	2.5549E+05	7.4119E+02
1.6734E+01	1.8862E-01	2.0703E+01	2.8329E+05	7.4090E+02
1.6739E+01	1.6344E-01	1.7940E+01	2.4548E+05	7.4071E+02
1.6745E+01	1.4442E-01	1.5852E+01	2.1691E+05	7.4041E+02
1.6750E+01	1.5051E-01	1.6520E+01	2.2606E+05	7.4022E+02
1.6753E+01	1.8788E-01	2.0622E+01	2.8219E+05	7.4005E+02
1.6757E+01	2.4403E-01	2.6785E+01	3.6651E+05	7.3991E+02
1.6760E+01	1.6575E-01	1.8193E+01	2.4895E+05	7.3977E+02
1.6768E+01	1.3416E-01	1.4725E+01	2.0150E+05	7.3939E+02
1.6787E+01	1.2722E-01	1.3963E+01	1.9107E+05	7.3859E+02
1.6798E+01	1.2056E-01	1.3232E+01	1.8107E+05	7.3811E+02
1.6801E+01	1.2982E-01	1.4249E+01	1.9498E+05	7.3797E+02
1.6820E+01	1.5097E-01	1.6570E+01	2.2675E+05	7.3712E+02
1.6824E+01	1.7272E-01	1.8958E+01	2.5942E+05	7.3697E+02
1.6827E+01	1.7259E-01	1.8943E+01	2.5921E+05	7.3681E+02
1.6833E+01	2.0052E-01	2.2009E+01	3.0116E+05	7.3657E+02
1.6836E+01	2.0352E-01	2.2339E+01	3.0567E+05	7.3643E+02
1.6841E+01	1.9394E-01	2.1287E+01	2.9128E+05	7.3619E+02
1.6848E+01	2.5620E-01	2.8121E+01	3.8480E+05	7.3588E+02
1.6856E+01	4.4036E-01	4.8335E+01	6.6140E+05	7.3554E+02
1.6862E+01	2.9633E-01	3.2526E+01	4.4507E+05	7.3529E+02
1.6864E+01	3.1503E-01	3.4578E+01	4.7315E+05	7.3521E+02
1.6870E+01	5.7743E-01	6.3379E+01	8.6726E+05	7.3496E+02
1.6878E+01	2.5510E-01	2.8000E+01	3.8315E+05	7.3460E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.6881E+01	2.3307E-01	2.5582E+01	3.5006E+05	7.3444E+02
1.6885E+01	1.9229E-01	2.1106E+01	2.8881E+05	7.3427E+02
1.6889E+01	2.1716E-01	2.3836E+01	3.2616E+05	7.3410E+02
1.6892E+01	3.0457E-01	3.3430E+01	4.5745E+05	7.3396E+02
1.6897E+01	4.7012E-01	5.1600E+01	7.0609E+05	7.3378E+02
1.6899E+01	2.7306E-01	2.9972E+01	4.1013E+05	7.3368E+02
1.6902E+01	2.1044E-01	2.3098E+01	3.1606E+05	7.3356E+02
1.6905E+01	1.9156E-01	2.1025E+01	2.8771E+05	7.3342E+02
1.6909E+01	1.4140E-01	1.5520E+01	2.1237E+05	7.3326E+02
1.6913E+01	1.4438E-01	1.5848E+01	2.1685E+05	7.3309E+02
1.6916E+01	1.6924E-01	1.8576E+01	2.5419E+05	7.3292E+02
1.6922E+01	1.5654E-01	1.7182E+01	2.3511E+05	7.3269E+02
1.6933E+01	1.7799E-01	1.9536E+01	2.6733E+05	7.3219E+02
1.6936E+01	1.3725E-01	1.5064E+01	2.0614E+05	7.3207E+02
1.6944E+01	1.3696E-01	1.5033E+01	2.0571E+05	7.3174E+02
1.6952E+01	1.6480E-01	1.8089E+01	2.4752E+05	7.3138E+02
1.6964E+01	1.6435E-01	1.8039E+01	2.4685E+05	7.3086E+02
1.6969E+01	1.7352E-01	1.9046E+01	2.6062E+05	7.3063E+02
1.6976E+01	2.1392E-01	2.3480E+01	3.2129E+05	7.3034E+02
1.6981E+01	2.0125E-01	2.2089E+01	3.0226E+05	7.3015E+02
1.6986E+01	2.2606E-01	2.4813E+01	3.3953E+05	7.2991E+02
1.6989E+01	3.0412E-01	3.3380E+01	4.5676E+05	7.2979E+02
1.6993E+01	3.8838E-01	4.2629E+01	5.8332E+05	7.2962E+02
1.6996E+01	3.1010E-01	3.4037E+01	4.6575E+05	7.2948E+02
1.6998E+01	2.1313E-01	2.3393E+01	3.2011E+05	7.2942E+02
1.7003E+01	1.7230E-01	1.8912E+01	2.5879E+05	7.2920E+02
1.7009E+01	1.9081E-01	2.0944E+01	2.8659E+05	7.2892E+02
1.7021E+01	2.5603E-01	2.8103E+01	3.8455E+05	7.2842E+02
1.7024E+01	2.4029E-01	2.6374E+01	3.6090E+05	7.2828E+02
1.7028E+01	2.9329E-01	3.2192E+01	4.4050E+05	7.2811E+02
1.7031E+01	4.0573E-01	4.4533E+01	6.0938E+05	7.2799E+02
1.7035E+01	5.9004E-01	6.4763E+01	8.8621E+05	7.2781E+02
1.7038E+01	4.0234E-01	4.4161E+01	6.0429E+05	7.2768E+02
1.7041E+01	3.3033E-01	3.6258E+01	4.9614E+05	7.2756E+02
1.7044E+01	3.5522E-01	3.8989E+01	5.3352E+05	7.2742E+02
1.7050E+01	3.8626E-01	4.2397E+01	5.8015E+05	7.2716E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.7054E+01	4.8931E-01	5.3707E+01	7.3491E+05	7.2701E+02
1.7056E+01	6.3615E-01	6.9825E+01	9.5546E+05	7.2691E+02
1.7059E+01	7.7050E-01	8.4571E+01	1.1573E+06	7.2681E+02
1.7063E+01	8.1411E-01	8.9357E+01	1.2227E+06	7.2662E+02
1.7066E+01	7.5774E-01	8.3170E+01	1.1381E+06	7.2650E+02
1.7071E+01	6.0437E-01	6.6336E+01	9.0772E+05	7.2629E+02
1.7073E+01	5.8240E-01	6.3925E+01	8.7473E+05	7.2620E+02
1.7076E+01	4.1658E-01	4.5725E+01	6.2568E+05	7.2607E+02
1.7079E+01	3.6647E-01	4.0224E+01	5.5042E+05	7.2595E+02
1.7083E+01	4.0069E-01	4.3980E+01	6.0181E+05	7.2576E+02
1.7103E+01	3.1054E-01	3.4085E+01	4.6641E+05	7.2491E+02
1.7108E+01	2.4817E-01	2.7239E+01	3.7273E+05	7.2471E+02
1.7112E+01	2.5947E-01	2.8480E+01	3.8971E+05	7.2455E+02
1.7118E+01	1.8819E-01	2.0656E+01	2.8266E+05	7.2430E+02
1.7124E+01	2.1746E-01	2.3869E+01	3.2661E+05	7.2402E+02
1.7133E+01	1.8651E-01	2.0471E+01	2.8013E+05	7.2364E+02
1.7143E+01	2.5610E-01	2.8110E+01	3.8465E+05	7.2323E+02
1.7152E+01	1.6705E-01	1.8336E+01	2.5090E+05	7.2287E+02
1.7156E+01	1.6497E-01	1.8108E+01	2.4778E+05	7.2269E+02
1.7161E+01	1.9644E-01	2.1561E+01	2.9504E+05	7.2246E+02
1.7165E+01	1.9878E-01	2.1819E+01	2.9856E+05	7.2232E+02
1.7170E+01	2.3025E-01	2.5272E+01	3.4582E+05	7.2210E+02
1.7175E+01	2.3265E-01	2.5536E+01	3.4942E+05	7.2189E+02
1.7177E+01	2.2156E-01	2.4318E+01	3.3276E+05	7.2180E+02
1.7180E+01	2.3731E-01	2.6048E+01	3.5643E+05	7.2167E+02
1.7184E+01	3.4913E-01	3.8321E+01	5.2437E+05	7.2151E+02
1.7188E+01	4.9893E-01	5.4762E+01	7.4936E+05	7.2135E+02
1.7192E+01	2.1760E-01	2.3884E+01	3.2682E+05	7.2119E+02
1.7198E+01	1.7761E-01	1.9494E+01	2.6675E+05	7.2094E+02
1.7201E+01	1.9559E-01	2.1468E+01	2.9376E+05	7.2080E+02
1.7206E+01	2.0918E-01	2.2960E+01	3.1418E+05	7.2058E+02
1.7211E+01	2.7411E-01	3.0086E+01	4.1169E+05	7.2039E+02
1.7214E+01	2.5189E-01	2.7647E+01	3.7832E+05	7.2026E+02
1.7225E+01	3.7960E-01	4.1665E+01	5.7013E+05	7.1980E+02
1.7226E+01	3.5954E-01	3.9464E+01	5.4001E+05	7.1974E+02
1.7240E+01	2.5951E-01	2.8484E+01	3.8976E+05	7.1917E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.7242E+01	2.5062E-01	2.7508E+01	3.7642E+05	7.1910E+02
1.7244E+01	2.5963E-01	2.8498E+01	3.8996E+05	7.1901E+02
1.7245E+01	2.7531E-01	3.0218E+01	4.1350E+05	7.1897E+02
1.7248E+01	2.5085E-01	2.7534E+01	3.7676E+05	7.1883E+02
1.7251E+01	2.8448E-01	3.1224E+01	4.2727E+05	7.1869E+02
1.7257E+01	3.8742E-01	4.2523E+01	5.8188E+05	7.1847E+02
1.7259E+01	3.5845E-01	3.9344E+01	5.3838E+05	7.1838E+02
1.7262E+01	2.7143E-01	2.9793E+01	4.0768E+05	7.1826E+02
1.7264E+01	2.4249E-01	2.6616E+01	3.6420E+05	7.1815E+02
1.7270E+01	2.6727E-01	2.9335E+01	4.0142E+05	7.1790E+02
1.7275E+01	2.7859E-01	3.0578E+01	4.1842E+05	7.1772E+02
1.7281E+01	3.4583E-01	3.7959E+01	5.1942E+05	7.1745E+02
1.7284E+01	3.5931E-01	3.9438E+01	5.3966E+05	7.1735E+02
1.7292E+01	5.3383E-01	5.8593E+01	8.0177E+05	7.1701E+02
1.7298E+01	3.2406E-01	3.5569E+01	4.8672E+05	7.1676E+02
1.7302E+01	2.8624E-01	3.1418E+01	4.2991E+05	7.1658E+02
1.7307E+01	2.3280E-01	2.5553E+01	3.4966E+05	7.1638E+02
1.7311E+01	2.4859E-01	2.7285E+01	3.7336E+05	7.1620E+02
1.7317E+01	2.3763E-01	2.6083E+01	3.5691E+05	7.1595E+02
1.7320E+01	2.2207E-01	2.4375E+01	3.3353E+05	7.1586E+02
1.7323E+01	2.4227E-01	2.6591E+01	3.6387E+05	7.1574E+02
1.7327E+01	3.6753E-01	4.0341E+01	5.5201E+05	7.1554E+02
1.7330E+01	3.9666E-01	4.3538E+01	5.9576E+05	7.1543E+02
1.7334E+01	1.8682E-01	2.0506E+01	2.8059E+05	7.1527E+02
1.7341E+01	1.6694E-01	1.8324E+01	2.5074E+05	7.1499E+02
1.7347E+01	1.8950E-01	2.0799E+01	2.8461E+05	7.1475E+02
1.7350E+01	2.0303E-01	2.2284E+01	3.0493E+05	7.1459E+02
1.7355E+01	1.7191E-01	1.8869E+01	2.5820E+05	7.1440E+02
1.7357E+01	1.7422E-01	1.9122E+01	2.6166E+05	7.1431E+02
1.7360E+01	2.2348E-01	2.4529E+01	3.3565E+05	7.1418E+02
1.7362E+01	2.4810E-01	2.7232E+01	3.7263E+05	7.1411E+02
1.7366E+01	2.6388E-01	2.8963E+01	3.9633E+05	7.1395E+02
1.7371E+01	1.4566E-01	1.5987E+01	2.1877E+05	7.1375E+02
1.7376E+01	1.5029E-01	1.6496E+01	2.2573E+05	7.1354E+02
1.7383E+01	1.8628E-01	2.0446E+01	2.7978E+05	7.1325E+02
1.7387E+01	1.7524E-01	1.9235E+01	2.6320E+05	7.1309E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.7390E+01	1.5971E-01	1.7530E+01	2.3987E+05	7.1298E+02
1.7391E+01	1.7091E-01	1.8759E+01	2.5670E+05	7.1293E+02
1.7393E+01	1.7994E-01	1.9751E+01	2.7026E+05	7.1282E+02
1.7397E+01	2.1358E-01	2.3442E+01	3.2078E+05	7.1266E+02
1.7402E+01	1.5788E-01	1.7330E+01	2.3713E+05	7.1248E+02
1.7406E+01	1.7366E-01	1.9061E+01	2.6082E+05	7.1232E+02
1.7414E+01	1.7169E-01	1.8845E+01	2.5787E+05	7.1200E+02
1.7420E+01	1.8308E-01	2.0095E+01	2.7498E+05	7.1173E+02
1.7424E+01	2.0107E-01	2.2070E+01	3.0200E+05	7.1159E+02
1.7427E+01	2.0789E-01	2.2818E+01	3.1224E+05	7.1146E+02
1.7430E+01	2.3258E-01	2.5528E+01	3.4931E+05	7.1132E+02
1.7433E+01	2.7511E-01	3.0196E+01	4.1319E+05	7.1121E+02
1.7439E+01	2.1277E-01	2.3354E+01	3.1957E+05	7.1096E+02
1.7443E+01	2.4864E-01	2.7291E+01	3.7345E+05	7.1080E+02
1.7445E+01	2.9116E-01	3.1958E+01	4.3731E+05	7.1071E+02
1.7449E+01	2.9574E-01	3.2461E+01	4.4419E+05	7.1057E+02
1.7455E+01	3.8979E-01	4.2784E+01	5.8544E+05	7.1030E+02
1.7459E+01	4.7702E-01	5.2359E+01	7.1646E+05	7.1016E+02
1.7463E+01	5.3747E-01	5.8993E+01	8.0725E+05	7.1000E+02
1.7469E+01	7.0298E-01	7.7159E+01	1.0558E+06	7.0975E+02
1.7475E+01	4.6642E-01	5.1195E+01	7.0054E+05	7.0948E+02
1.7482E+01	2.9689E-01	3.2587E+01	4.4591E+05	7.0921E+02
1.7485E+01	2.9698E-01	3.2597E+01	4.4605E+05	7.0910E+02
1.7492E+01	2.3243E-01	2.5512E+01	3.4909E+05	7.0882E+02
1.7494E+01	1.9899E-01	2.1842E+01	2.9888E+05	7.0873E+02
1.7497E+01	2.0357E-01	2.2345E+01	3.0576E+05	7.0860E+02
1.7503E+01	2.5515E-01	2.8005E+01	3.8321E+05	7.0837E+02
1.7508E+01	1.8160E-01	1.9933E+01	2.7275E+05	7.0817E+02
1.7512E+01	1.6610E-01	1.8231E+01	2.4947E+05	7.0801E+02
1.7515E+01	1.6843E-01	1.8487E+01	2.5297E+05	7.0789E+02
1.7518E+01	1.9088E-01	2.0951E+01	2.8669E+05	7.0776E+02
1.7524E+01	2.0449E-01	2.2445E+01	3.0713E+05	7.0751E+02
1.7527E+01	1.8674E-01	2.0497E+01	2.8047E+05	7.0737E+02
1.7531E+01	2.0697E-01	2.2718E+01	3.1086E+05	7.0721E+02
1.7535E+01	2.9422E-01	3.2294E+01	4.4191E+05	7.0705E+02
1.7538E+01	3.0770E-01	3.3773E+01	4.6214E+05	7.0696E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.7540E+01	3.1226E-01	3.4274E+01	4.6900E+05	7.0685E+02
1.7543E+01	3.6150E-01	3.9679E+01	5.4296E+05	7.0674E+02
1.7548E+01	7.5928E-01	8.3340E+01	1.1404E+06	7.0653E+02
1.7552E+01	1.2330E+00	1.3533E+02	1.8518E+06	7.0637E+02
1.7555E+01	5.5848E-01	6.1299E+01	8.3880E+05	7.0626E+02
1.7556E+01	3.5968E-01	3.9479E+01	5.4022E+05	7.0624E+02
1.7559E+01	2.6820E-01	2.9438E+01	4.0282E+05	7.0612E+02
1.7566E+01	1.9027E-01	2.0884E+01	2.8577E+05	7.0583E+02
1.7571E+01	2.0386E-01	2.2376E+01	3.0618E+05	7.0560E+02
1.7576E+01	1.6826E-01	1.8469E+01	2.5272E+05	7.0542E+02
1.7582E+01	2.0198E-01	2.2170E+01	3.0336E+05	7.0517E+02
1.7586E+01	1.9094E-01	2.0958E+01	2.8678E+05	7.0501E+02
1.7591E+01	2.1343E-01	2.3426E+01	3.2056E+05	7.0483E+02
1.7593E+01	1.9790E-01	2.1721E+01	2.9723E+05	7.0472E+02
1.7599E+01	1.9585E-01	2.1497E+01	2.9416E+05	7.0449E+02
1.7605E+01	2.5190E-01	2.7649E+01	3.7834E+05	7.0424E+02
1.7610E+01	1.8283E-01	2.0067E+01	2.7460E+05	7.0404E+02
1.7615E+01	2.0085E-01	2.2046E+01	3.0167E+05	7.0386E+02
1.7617E+01	1.9199E-01	2.1073E+01	2.8835E+05	7.0376E+02
1.7627E+01	2.2359E-01	2.4541E+01	3.3582E+05	7.0338E+02
1.7631E+01	2.0808E-01	2.2839E+01	3.1253E+05	7.0322E+02
1.7633E+01	2.2380E-01	2.4565E+01	3.3613E+05	7.0313E+02
1.7638E+01	2.6194E-01	2.8751E+01	3.9342E+05	7.0292E+02
1.7643E+01	2.2636E-01	2.4845E+01	3.3997E+05	7.0274E+02
1.7648E+01	2.4665E-01	2.7072E+01	3.7045E+05	7.0252E+02
1.7655E+01	3.6971E-01	4.0580E+01	5.5529E+05	7.0227E+02
1.7664E+01	4.7724E-01	5.2383E+01	7.1679E+05	7.0190E+02
1.7671E+01	3.4122E-01	3.7453E+01	5.1250E+05	7.0161E+02
1.7674E+01	2.4527E-01	2.6921E+01	3.6838E+05	7.0150E+02
1.7678E+01	2.1411E-01	2.3501E+01	3.2158E+05	7.0136E+02
1.7686E+01	1.8983E-01	2.0835E+01	2.8511E+05	7.0102E+02
1.7694E+01	2.1688E-01	2.3804E+01	3.2573E+05	7.0072E+02
1.7697E+01	2.8847E-01	3.1663E+01	4.3327E+05	7.0059E+02
1.7701E+01	3.0871E-01	3.3884E+01	4.6366E+05	7.0043E+02
1.7707E+01	6.5737E-01	7.2153E+01	9.8733E+05	7.0020E+02
1.7712E+01	1.0618E+00	1.1655E+02	1.5948E+06	7.0002E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.7713E+01	5.7269E-01	6.2859E+01	8.6015E+05	6.9995E+02
1.7716E+01	2.5780E-01	2.8297E+01	3.8720E+05	6.9986E+02
1.7721E+01	1.9767E-01	2.1696E+01	2.9688E+05	6.9966E+02
1.7727E+01	2.0010E-01	2.1964E+01	3.0054E+05	6.9941E+02
1.7731E+01	1.8459E-01	2.0260E+01	2.7724E+05	6.9927E+02
1.7733E+01	1.9362E-01	2.1252E+01	2.9080E+05	6.9916E+02
1.7736E+01	1.9818E-01	2.1752E+01	2.9765E+05	6.9905E+02
1.7740E+01	2.1172E-01	2.3238E+01	3.1799E+05	6.9889E+02
1.7745E+01	1.8283E-01	2.0067E+01	2.7460E+05	6.9870E+02
1.7754E+01	1.9205E-01	2.1080E+01	2.8845E+05	6.9836E+02
1.7763E+01	2.2364E-01	2.4547E+01	3.3590E+05	6.9798E+02
1.7768E+01	2.7070E-01	2.9712E+01	4.0658E+05	6.9780E+02
1.7772E+01	3.4457E-01	3.7820E+01	5.1752E+05	6.9762E+02
1.7774E+01	3.9600E-01	4.3466E+01	5.9477E+05	6.9755E+02
1.7778E+01	4.2292E-01	4.6420E+01	6.3521E+05	6.9741E+02
1.7781E+01	3.8058E-01	4.1772E+01	5.7160E+05	6.9730E+02
1.7784E+01	2.7568E-01	3.0259E+01	4.1406E+05	6.9718E+02
1.7789E+01	2.3342E-01	2.5620E+01	3.5058E+05	6.9698E+02
1.7792E+01	2.3351E-01	2.5630E+01	3.5072E+05	6.9687E+02
1.7795E+01	2.4924E-01	2.7357E+01	3.7434E+05	6.9675E+02
1.7798E+01	2.5831E-01	2.8352E+01	3.8796E+05	6.9660E+02
1.7802E+01	2.9193E-01	3.2043E+01	4.3847E+05	6.9646E+02
1.7808E+01	7.3217E-01	8.0364E+01	1.0997E+06	6.9623E+02
1.7813E+01	2.3642E-01	2.5950E+01	3.5509E+05	6.9605E+02
1.7817E+01	2.2316E-01	2.4494E+01	3.3517E+05	6.9589E+02
1.7820E+01	2.0317E-01	2.2300E+01	3.0515E+05	6.9576E+02
1.7828E+01	1.9001E-01	2.0856E+01	2.8538E+05	6.9546E+02
1.7832E+01	2.0131E-01	2.2096E+01	3.0236E+05	6.9530E+02
1.7838E+01	2.2386E-01	2.4572E+01	3.3623E+05	6.9505E+02
1.7842E+01	2.4408E-01	2.6791E+01	3.6659E+05	6.9492E+02
1.7846E+01	3.1346E-01	3.4406E+01	4.7080E+05	6.9476E+02
1.7847E+01	3.7159E-01	4.0786E+01	5.5811E+05	6.9469E+02
1.7851E+01	4.0745E-01	4.4722E+01	6.1197E+05	6.9455E+02
1.7853E+01	3.7849E-01	4.1543E+01	5.6847E+05	6.9446E+02
1.7856E+01	3.1155E-01	3.4196E+01	4.6792E+05	6.9437E+02
1.7858E+01	2.9377E-01	3.2245E+01	4.4123E+05	6.9426E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.7861E+01	3.0279E-01	3.3234E+01	4.5477E+05	6.9417E+02
1.7864E+01	3.6544E-01	4.0111E+01	5.4887E+05	6.9403E+02
1.7867E+01	4.1691E-01	4.5761E+01	6.2618E+05	6.9392E+02
1.7871E+01	5.5329E-01	6.0730E+01	8.3101E+05	6.9378E+02
1.7874E+01	2.5185E-01	2.7643E+01	3.7826E+05	6.9365E+02
1.7875E+01	2.1614E-01	2.3724E+01	3.2463E+05	6.9360E+02
1.7881E+01	1.8730E-01	2.0558E+01	2.8131E+05	6.9337E+02
1.7888E+01	2.0090E-01	2.2051E+01	3.0174E+05	6.9312E+02
1.7892E+01	2.2114E-01	2.4273E+01	3.3214E+05	6.9296E+02
1.7895E+01	2.8378E-01	3.1148E+01	4.2622E+05	6.9285E+02
1.7897E+01	3.2852E-01	3.6059E+01	4.9342E+05	6.9278E+02
1.7901E+01	3.6663E-01	4.0241E+01	5.5065E+05	6.9262E+02
1.7906E+01	2.5510E-01	2.8000E+01	3.8315E+05	6.9242E+02
1.7908E+01	2.7528E-01	3.0215E+01	4.1345E+05	6.9233E+02
1.7911E+01	2.9549E-01	3.2433E+01	4.4380E+05	6.9222E+02
1.7914E+01	4.6087E-01	5.0586E+01	6.9220E+05	6.9210E+02
1.7919E+01	2.0640E-01	2.2654E+01	3.0999E+05	6.9190E+02
1.7926E+01	2.1333E-01	2.3415E+01	3.2041E+05	6.9163E+02
1.7931E+01	2.7826E-01	3.0542E+01	4.1793E+05	6.9144E+02
1.7935E+01	3.6998E-01	4.0609E+01	5.5568E+05	6.9129E+02
1.7940E+01	3.0088E-01	3.3025E+01	4.5191E+05	6.9110E+02
1.7942E+01	3.0317E-01	3.3277E+01	4.5535E+05	6.9104E+02
1.7945E+01	4.2166E-01	4.6282E+01	6.3331E+05	6.9092E+02
1.7948E+01	2.2966E-01	2.5208E+01	3.4494E+05	6.9079E+02
1.7950E+01	2.0739E-01	2.2763E+01	3.1148E+05	6.9072E+02
1.7956E+01	2.7012E-01	2.9649E+01	4.0571E+05	6.9049E+02
1.7959E+01	3.1043E-01	3.4073E+01	4.6624E+05	6.9038E+02
1.7962E+01	3.9541E-01	4.3400E+01	5.9388E+05	6.9027E+02
1.7965E+01	3.1286E-01	3.4340E+01	4.6990E+05	6.9013E+02
1.7968E+01	3.7549E-01	4.1214E+01	5.6397E+05	6.9004E+02
1.7972E+01	2.2375E-01	2.4559E+01	3.3605E+05	6.8986E+02
1.7978E+01	2.9765E-01	3.2670E+01	4.4705E+05	6.8963E+02
1.7981E+01	3.3794E-01	3.7092E+01	5.0756E+05	6.8954E+02
1.7983E+01	3.0897E-01	3.3913E+01	4.6406E+05	6.8945E+02
1.7986E+01	3.0906E-01	3.3923E+01	4.6419E+05	6.8933E+02
1.7989E+01	2.3989E-01	2.6331E+01	3.6031E+05	6.8924E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.7994E+01	2.9591E-01	3.2479E+01	4.4444E+05	6.8904E+02
1.7996E+01	3.2724E-01	3.5918E+01	4.9149E+05	6.8897E+02
1.7998E+01	3.1616E-01	3.4702E+01	4.7486E+05	6.8886E+02
1.8002E+01	2.6937E-01	2.9567E+01	4.0458E+05	6.8872E+02
1.8006E+01	3.2982E-01	3.6201E+01	4.9537E+05	6.8856E+02
1.8010E+01	2.9642E-01	3.2536E+01	4.4521E+05	6.8843E+02
1.8012E+01	2.9758E-01	3.2662E+01	4.4694E+05	6.8834E+02
1.8014E+01	3.0924E-01	3.3942E+01	4.6446E+05	6.8825E+02
1.8022E+01	3.0965E-01	3.3987E+01	4.6507E+05	6.8797E+02
1.8025E+01	3.3453E-01	3.6718E+01	5.0244E+05	6.8783E+02
1.8028E+01	3.0323E-01	3.3283E+01	4.5543E+05	6.8772E+02
1.8034E+01	2.9625E-01	3.2516E+01	4.4495E+05	6.8751E+02
1.8044E+01	2.9950E-01	3.2873E+01	4.4983E+05	6.8714E+02
1.8047E+01	2.9864E-01	3.2779E+01	4.4854E+05	6.8699E+02
1.8057E+01	3.1455E-01	3.4525E+01	4.7243E+05	6.8664E+02
1.8062E+01	3.0714E-01	3.3712E+01	4.6130E+05	6.8643E+02
1.8068E+01	3.2434E-01	3.5600E+01	4.8714E+05	6.8620E+02
1.8072E+01	3.0058E-01	3.2992E+01	4.5145E+05	6.8606E+02
1.8078E+01	2.9744E-01	3.2647E+01	4.4674E+05	6.8584E+02
1.8082E+01	2.9999E-01	3.2928E+01	4.5057E+05	6.8567E+02
1.8091E+01	3.1733E-01	3.4830E+01	4.7660E+05	6.8535E+02
1.8096E+01	3.1802E-01	3.4906E+01	4.7765E+05	6.8515E+02
1.8101E+01	3.2769E-01	3.5967E+01	4.9216E+05	6.8495E+02
1.8106E+01	3.0791E-01	3.3796E+01	4.6246E+05	6.8476E+02
1.8119E+01	3.2835E-01	3.6040E+01	4.9317E+05	6.8427E+02
1.8125E+01	3.2464E-01	3.5633E+01	4.8760E+05	6.8405E+02
1.8129E+01	3.1596E-01	3.4680E+01	4.7455E+05	6.8389E+02
1.8138E+01	3.4425E-01	3.7785E+01	5.1704E+05	6.8357E+02
1.8146E+01	3.3826E-01	3.7127E+01	5.0804E+05	6.8327E+02
1.8150E+01	3.4564E-01	3.7938E+01	5.1913E+05	6.8312E+02
1.8152E+01	3.4721E-01	3.8110E+01	5.2148E+05	6.8304E+02
1.8156E+01	3.5871E-01	3.9372E+01	5.3876E+05	6.8287E+02
1.8164E+01	3.4647E-01	3.8029E+01	5.2038E+05	6.8260E+02
1.8168E+01	3.5016E-01	3.8433E+01	5.2591E+05	6.8243E+02
1.8172E+01	3.3565E-01	3.6841E+01	5.0412E+05	6.8229E+02
1.8179E+01	3.1002E-01	3.4029E+01	4.6564E+05	6.8200E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.8186E+01	2.9779E-01	3.2685E+01	4.4726E+05	6.8174E+02
1.8199E+01	2.9506E-01	3.2386E+01	4.4316E+05	6.8127E+02
1.8220E+01	2.9217E-01	3.2069E+01	4.3882E+05	6.8049E+02
1.8239E+01	2.7961E-01	3.0691E+01	4.1996E+05	6.7979E+02
1.8241E+01	2.7264E-01	2.9925E+01	4.0949E+05	6.7970E+02
1.8245E+01	2.7150E-01	2.9800E+01	4.0777E+05	6.7954E+02
1.8253E+01	2.5527E-01	2.8018E+01	3.8339E+05	6.7925E+02
1.8260E+01	2.5668E-01	2.8173E+01	3.8551E+05	6.7901E+02
1.8274E+01	2.7528E-01	3.0215E+01	4.1345E+05	6.7849E+02
1.8277E+01	2.7684E-01	3.0386E+01	4.1579E+05	6.7836E+02
1.8288E+01	2.9217E-01	3.2069E+01	4.3882E+05	6.7794E+02
1.8293E+01	2.9387E-01	3.2255E+01	4.4137E+05	6.7777E+02
1.8294E+01	2.9685E-01	3.2583E+01	4.4585E+05	6.7772E+02
1.8299E+01	2.9926E-01	3.2847E+01	4.4947E+05	6.7755E+02
1.8307E+01	3.0251E-01	3.3204E+01	4.5436E+05	6.7726E+02
1.8311E+01	3.0307E-01	3.3265E+01	4.5520E+05	6.7710E+02
1.8324E+01	3.0675E-01	3.3669E+01	4.6071E+05	6.7664E+02
1.8332E+01	3.0474E-01	3.3448E+01	4.5770E+05	6.7633E+02
1.8339E+01	3.0472E-01	3.3446E+01	4.5767E+05	6.7606E+02
1.8342E+01	3.0330E-01	3.3291E+01	4.5554E+05	6.7594E+02
1.8353E+01	3.0484E-01	3.3460E+01	4.5785E+05	6.7554E+02
1.8363E+01	3.0439E-01	3.3410E+01	4.5718E+05	6.7518E+02
1.8370E+01	3.0751E-01	3.3752E+01	4.6185E+05	6.7493E+02
1.8379E+01	3.0522E-01	3.3501E+01	4.5842E+05	6.7458E+02
1.8393E+01	3.0447E-01	3.3419E+01	4.5730E+05	6.7407E+02
1.8412E+01	3.0230E-01	3.3181E+01	4.5404E+05	6.7340E+02
1.8419E+01	3.0073E-01	3.3008E+01	4.5167E+05	6.7313E+02
1.8422E+01	3.0342E-01	3.3304E+01	4.5572E+05	6.7304E+02
1.8432E+01	3.0084E-01	3.3020E+01	4.5184E+05	6.7265E+02
1.8439E+01	3.0481E-01	3.3457E+01	4.5781E+05	6.7239E+02
1.8444E+01	3.0053E-01	3.2987E+01	4.5139E+05	6.7221E+02
1.8451E+01	3.0422E-01	3.3391E+01	4.5692E+05	6.7196E+02
1.8458E+01	3.0548E-01	3.3530E+01	4.5881E+05	6.7172E+02
1.8459E+01	3.0747E-01	3.3748E+01	4.6180E+05	6.7167E+02
1.8465E+01	3.0903E-01	3.3919E+01	4.6414E+05	6.7146E+02
1.8469E+01	3.0717E-01	3.3715E+01	4.6135E+05	6.7131E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.8476E+01	3.1085E-01	3.4119E+01	4.6688E+05	6.7106E+02
1.8489E+01	3.1097E-01	3.4132E+01	4.6706E+05	6.7058E+02
1.8498E+01	3.0740E-01	3.3740E+01	4.6169E+05	6.7027E+02
1.8503E+01	3.1066E-01	3.4098E+01	4.6659E+05	6.7006E+02
1.8513E+01	3.1376E-01	3.4439E+01	4.7125E+05	6.6973E+02
1.8518E+01	3.1332E-01	3.4391E+01	4.7059E+05	6.6953E+02
1.8524E+01	3.1531E-01	3.4609E+01	4.7358E+05	6.6933E+02
1.8526E+01	3.1373E-01	3.4436E+01	4.7121E+05	6.6925E+02
1.8530E+01	3.1529E-01	3.4607E+01	4.7355E+05	6.6909E+02
1.8534E+01	3.1728E-01	3.4825E+01	4.7653E+05	6.6896E+02
1.8545E+01	3.0616E-01	3.3604E+01	4.5983E+05	6.6857E+02
1.8551E+01	3.0274E-01	3.3229E+01	4.5470E+05	6.6834E+02
1.8558E+01	3.0500E-01	3.3477E+01	4.5809E+05	6.6810E+02
1.8588E+01	3.0750E-01	3.3751E+01	4.6184E+05	6.6701E+02
1.8624E+01	3.1297E-01	3.4352E+01	4.7007E+05	6.6571E+02
1.8629E+01	3.1595E-01	3.4679E+01	4.7454E+05	6.6554E+02
1.8633E+01	3.1494E-01	3.4569E+01	4.7303E+05	6.6539E+02
1.8644E+01	3.1876E-01	3.4988E+01	4.7876E+05	6.6501E+02
1.8649E+01	3.1805E-01	3.4909E+01	4.7769E+05	6.6482E+02
1.8661E+01	3.2599E-01	3.5781E+01	4.8962E+05	6.6442E+02
1.8674E+01	3.5654E-01	3.9134E+01	5.3550E+05	6.6394E+02
1.8686E+01	3.0261E-01	3.3215E+01	4.5451E+05	6.6353E+02
1.8697E+01	3.0075E-01	3.3010E+01	4.5170E+05	6.6314E+02
1.8705E+01	2.9589E-01	3.2477E+01	4.4441E+05	6.6284E+02
1.8718E+01	2.7112E-01	2.9759E+01	4.0721E+05	6.6239E+02
1.8730E+01	2.9399E-01	3.2269E+01	4.4156E+05	6.6194E+02
1.8740E+01	3.0450E-01	3.3422E+01	4.5734E+05	6.6161E+02
1.8751E+01	3.0761E-01	3.3763E+01	4.6201E+05	6.6120E+02
1.8764E+01	3.0829E-01	3.3839E+01	4.6304E+05	6.6076E+02
1.8771E+01	3.1084E-01	3.4118E+01	4.6686E+05	6.6051E+02
1.8796E+01	3.1307E-01	3.4362E+01	4.7021E+05	6.5962E+02
1.8799E+01	3.1164E-01	3.4206E+01	4.6806E+05	6.5951E+02
1.8806E+01	3.1675E-01	3.4767E+01	4.7574E+05	6.5929E+02
1.8809E+01	3.1802E-01	3.4906E+01	4.7765E+05	6.5917E+02
1.8820E+01	3.2014E-01	3.5139E+01	4.8083E+05	6.5880E+02
1.8823E+01	3.2226E-01	3.5372E+01	4.8402E+05	6.5867E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.8831E+01	3.2523E-01	3.5698E+01	4.8848E+05	6.5842E+02
1.8840E+01	3.3617E-01	3.6898E+01	5.0490E+05	6.5809E+02
1.8851E+01	3.1268E-01	3.4320E+01	4.6963E+05	6.5772E+02
1.8855E+01	3.0343E-01	3.3305E+01	4.5573E+05	6.5756E+02
1.8858E+01	3.0797E-01	3.3803E+01	4.6256E+05	6.5746E+02
1.8867E+01	3.1179E-01	3.4223E+01	4.6829E+05	6.5716E+02
1.8875E+01	3.1292E-01	3.4346E+01	4.6999E+05	6.5688E+02
1.8890E+01	3.1403E-01	3.4468E+01	4.7165E+05	6.5636E+02
1.8903E+01	3.2126E-01	3.5261E+01	4.8251E+05	6.5589E+02
1.8908E+01	3.2637E-01	3.5822E+01	4.9018E+05	6.5571E+02
1.8919E+01	3.4810E-01	3.8208E+01	5.2283E+05	6.5534E+02
1.8929E+01	3.0258E-01	3.3211E+01	4.5445E+05	6.5501E+02
1.8936E+01	2.9161E-01	3.2008E+01	4.3798E+05	6.5474E+02
1.8941E+01	2.7738E-01	3.0445E+01	4.1661E+05	6.5457E+02
1.8949E+01	2.9727E-01	3.2629E+01	4.4649E+05	6.5432E+02
1.8956E+01	3.0651E-01	3.3643E+01	4.6036E+05	6.5408E+02
1.8963E+01	3.1303E-01	3.4358E+01	4.7015E+05	6.5381E+02
1.8969E+01	3.1473E-01	3.4545E+01	4.7271E+05	6.5361E+02
1.8980E+01	3.1670E-01	3.4762E+01	4.7567E+05	6.5324E+02
1.8982E+01	3.1826E-01	3.4932E+01	4.7801E+05	6.5316E+02
1.8996E+01	3.1923E-01	3.5039E+01	4.7947E+05	6.5267E+02
1.9006E+01	3.2575E-01	3.5755E+01	4.8926E+05	6.5233E+02
1.9011E+01	3.2432E-01	3.5598E+01	4.8711E+05	6.5217E+02
1.9018E+01	3.0667E-01	3.3661E+01	4.6060E+05	6.5193E+02
1.9024E+01	3.0823E-01	3.3832E+01	4.6294E+05	6.5173E+02
1.9025E+01	3.1022E-01	3.4050E+01	4.6593E+05	6.5168E+02
1.9034E+01	3.1205E-01	3.4251E+01	4.6868E+05	6.5139E+02
1.9040E+01	3.1602E-01	3.4686E+01	4.7464E+05	6.5118E+02
1.9047E+01	3.1786E-01	3.4888E+01	4.7740E+05	6.5093E+02
1.9056E+01	3.3803E-01	3.7102E+01	5.0770E+05	6.5064E+02
1.9068E+01	2.8596E-01	3.1387E+01	4.2950E+05	6.5023E+02
1.9073E+01	3.0216E-01	3.3165E+01	4.5382E+05	6.5004E+02
1.9078E+01	3.1083E-01	3.4117E+01	4.6685E+05	6.4988E+02
1.9082E+01	3.1438E-01	3.4506E+01	4.7217E+05	6.4975E+02
1.9090E+01	3.1507E-01	3.4583E+01	4.7322E+05	6.4947E+02
1.9097E+01	3.2104E-01	3.5237E+01	4.8218E+05	6.4924E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.9104E+01	3.2557E-01	3.5735E+01	4.8899E+05	6.4899E+02
1.9115E+01	3.1474E-01	3.4546E+01	4.7272E+05	6.4863E+02
1.9121E+01	3.1530E-01	3.4608E+01	4.7356E+05	6.4843E+02
1.9130E+01	3.1884E-01	3.4996E+01	4.7887E+05	6.4810E+02
1.9135E+01	3.3106E-01	3.6337E+01	4.9723E+05	6.4793E+02
1.9144E+01	2.8965E-01	3.1793E+01	4.3504E+05	6.4763E+02
1.9155E+01	3.1481E-01	3.4553E+01	4.7282E+05	6.4728E+02
1.9160E+01	3.2049E-01	3.5177E+01	4.8135E+05	6.4710E+02
1.9168E+01	3.2645E-01	3.5831E+01	4.9031E+05	6.4683E+02
1.9173E+01	3.2259E-01	3.5408E+01	4.8451E+05	6.4665E+02
1.9176E+01	3.1818E-01	3.4923E+01	4.7788E+05	6.4655E+02
1.9180E+01	3.1490E-01	3.4564E+01	4.7296E+05	6.4641E+02
1.9192E+01	3.2854E-01	3.6061E+01	4.9344E+05	6.4603E+02
1.9198E+01	3.0022E-01	3.2953E+01	4.5092E+05	6.4583E+02
1.9211E+01	3.2864E-01	3.6072E+01	4.9359E+05	6.4539E+02
1.9218E+01	3.2095E-01	3.5228E+01	4.8205E+05	6.4515E+02
1.9224E+01	3.1795E-01	3.4898E+01	4.7754E+05	6.4496E+02
1.9230E+01	3.2235E-01	3.5381E+01	4.8414E+05	6.4474E+02
1.9235E+01	3.1281E-01	3.4334E+01	4.6982E+05	6.4458E+02
1.9237E+01	3.0314E-01	3.3273E+01	4.5529E+05	6.4451E+02
1.9242E+01	3.1337E-01	3.4396E+01	4.7066E+05	6.4434E+02
1.9250E+01	3.1847E-01	3.4956E+01	4.7832E+05	6.4408E+02
1.9259E+01	3.1633E-01	3.4720E+01	4.7510E+05	6.4377E+02
1.9261E+01	3.1376E-01	3.4439E+01	4.7125E+05	6.4370E+02
1.9263E+01	3.0920E-01	3.3938E+01	4.6440E+05	6.4364E+02
1.9267E+01	3.1588E-01	3.4671E+01	4.7443E+05	6.4350E+02
1.9280E+01	3.1927E-01	3.5043E+01	4.7952E+05	6.4308E+02
1.9285E+01	3.1230E-01	3.4278E+01	4.6905E+05	6.4291E+02
1.9294E+01	3.1882E-01	3.4994E+01	4.7885E+05	6.4261E+02
1.9303E+01	3.1184E-01	3.4228E+01	4.6836E+05	6.4232E+02
1.9308E+01	3.1879E-01	3.4991E+01	4.7880E+05	6.4213E+02
1.9315E+01	3.1408E-01	3.4474E+01	4.7173E+05	6.4191E+02
1.9322E+01	3.1962E-01	3.5082E+01	4.8006E+05	6.4169E+02
1.9328E+01	3.1733E-01	3.4831E+01	4.7662E+05	6.4146E+02
1.9339E+01	3.1732E-01	3.4829E+01	4.7659E+05	6.4110E+02
1.9344E+01	3.1887E-01	3.5000E+01	4.7893E+05	6.4094E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.9350E+01	3.1658E-01	3.4748E+01	4.7549E+05	6.4075E+02
1.9357E+01	3.1828E-01	3.4935E+01	4.7803E+05	6.4050E+02
1.9365E+01	3.1997E-01	3.5121E+01	4.8058E+05	6.4025E+02
1.9370E+01	3.1797E-01	3.4900E+01	4.7757E+05	6.4010E+02
1.9376E+01	3.2081E-01	3.5212E+01	4.8183E+05	6.3989E+02
1.9387E+01	3.1694E-01	3.4788E+01	4.7603E+05	6.3951E+02
1.9394E+01	3.1622E-01	3.4708E+01	4.7494E+05	6.3928E+02
1.9398E+01	3.1322E-01	3.4380E+01	4.7044E+05	6.3917E+02
1.9403E+01	3.1563E-01	3.4644E+01	4.7406E+05	6.3900E+02
1.9410E+01	3.1634E-01	3.4721E+01	4.7512E+05	6.3876E+02
1.9418E+01	3.1973E-01	3.5094E+01	4.8022E+05	6.3850E+02
1.9427E+01	3.1772E-01	3.4873E+01	4.7720E+05	6.3820E+02
1.9431E+01	3.1928E-01	3.5044E+01	4.7953E+05	6.3807E+02
1.9441E+01	3.1997E-01	3.5121E+01	4.8058E+05	6.3775E+02
1.9447E+01	3.1911E-01	3.5026E+01	4.7929E+05	6.3755E+02
1.9459E+01	3.1908E-01	3.5023E+01	4.7925E+05	6.3715E+02
1.9472E+01	3.2290E-01	3.5442E+01	4.8498E+05	6.3674E+02
1.9486E+01	3.1805E-01	3.4909E+01	4.7769E+05	6.3628E+02
1.9496E+01	3.1831E-01	3.4939E+01	4.7809E+05	6.3596E+02
1.9510E+01	3.2042E-01	3.5170E+01	4.8125E+05	6.3548E+02
1.9523E+01	3.1940E-01	3.5058E+01	4.7973E+05	6.3508E+02
1.9528E+01	3.2167E-01	3.5307E+01	4.8312E+05	6.3491E+02
1.9539E+01	3.2278E-01	3.5429E+01	4.8480E+05	6.3455E+02
1.9550E+01	3.2135E-01	3.5271E+01	4.8264E+05	6.3420E+02
1.9551E+01	3.2006E-01	3.5131E+01	4.8072E+05	6.3417E+02
1.9556E+01	3.2076E-01	3.5207E+01	4.8176E+05	6.3400E+02
1.9574E+01	3.2130E-01	3.5266E+01	4.8257E+05	6.3340E+02
1.9579E+01	3.2314E-01	3.5468E+01	4.8534E+05	6.3324E+02
1.9586E+01	3.2157E-01	3.5295E+01	4.8297E+05	6.3304E+02
1.9589E+01	3.2042E-01	3.5170E+01	4.8125E+05	6.3293E+02
1.9594E+01	3.2311E-01	3.5465E+01	4.8530E+05	6.3276E+02
1.9599E+01	3.2026E-01	3.5152E+01	4.8101E+05	6.3261E+02
1.9600E+01	3.2168E-01	3.5308E+01	4.8314E+05	6.3257E+02
1.9612E+01	3.2309E-01	3.5462E+01	4.8526E+05	6.3220E+02
1.9621E+01	3.2164E-01	3.5303E+01	4.8308E+05	6.3189E+02
1.9634E+01	3.2134E-01	3.5270E+01	4.8263E+05	6.3149E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.9636E+01	3.2261E-01	3.5410E+01	4.8454E+05	6.3141E+02
1.9642E+01	3.2160E-01	3.5299E+01	4.8303E+05	6.3121E+02
1.9651E+01	3.2344E-01	3.5501E+01	4.8578E+05	6.3093E+02
1.9659E+01	3.2201E-01	3.5344E+01	4.8363E+05	6.3066E+02
1.9665E+01	3.2313E-01	3.5467E+01	4.8533E+05	6.3049E+02
1.9670E+01	3.2312E-01	3.5466E+01	4.8531E+05	6.3033E+02
1.9673E+01	3.2383E-01	3.5544E+01	4.8637E+05	6.3021E+02
1.9679E+01	3.2225E-01	3.5371E+01	4.8401E+05	6.3002E+02
1.9684E+01	3.2281E-01	3.5432E+01	4.8484E+05	6.2986E+02
1.9703E+01	3.2264E-01	3.5413E+01	4.8458E+05	6.2926E+02
1.9712E+01	3.2077E-01	3.5208E+01	4.8178E+05	6.2899E+02
1.9718E+01	3.2318E-01	3.5472E+01	4.8539E+05	6.2878E+02
1.9736E+01	3.2315E-01	3.5469E+01	4.8535E+05	6.2822E+02
1.9748E+01	3.2427E-01	3.5592E+01	4.8703E+05	6.2782E+02
1.9771E+01	3.2337E-01	3.5494E+01	4.8568E+05	6.2711E+02
1.9785E+01	3.2449E-01	3.5616E+01	4.8736E+05	6.2667E+02
1.9790E+01	3.2533E-01	3.5709E+01	4.8863E+05	6.2650E+02
1.9798E+01	3.2518E-01	3.5692E+01	4.8839E+05	6.2626E+02
1.9806E+01	3.2374E-01	3.5534E+01	4.8623E+05	6.2599E+02
1.9815E+01	3.2457E-01	3.5625E+01	4.8749E+05	6.2571E+02
1.9838E+01	3.2440E-01	3.5606E+01	4.8722E+05	6.2499E+02
1.9863E+01	3.2520E-01	3.5695E+01	4.8844E+05	6.2419E+02
1.9950E+01	3.2576E-01	3.5756E+01	4.8927E+05	6.2149E+02
1.9980E+01	3.2714E-01	3.5907E+01	4.9134E+05	6.2053E+02
1.9996E+01	3.2583E-01	3.5763E+01	4.8937E+05	6.2005E+02
2.0005E+01	3.2752E-01	3.5949E+01	4.9192E+05	6.1977E+02
2.0029E+01	3.2973E-01	3.6191E+01	4.9523E+05	6.1902E+02
2.0379E+01	3.3279E-01	3.6527E+01	4.9983E+05	6.0839E+02
2.0696E+01	3.3453E-01	3.6718E+01	5.0244E+05	5.9908E+02
2.0897E+01	3.3559E-01	3.6835E+01	5.0404E+05	5.9331E+02
2.1041E+01	3.3497E-01	3.6766E+01	5.0310E+05	5.8926E+02
2.1196E+01	3.3534E-01	3.6808E+01	5.0367E+05	5.8493E+02
2.1455E+01	3.3301E-01	3.6551E+01	5.0016E+05	5.7788E+02
2.1641E+01	3.3206E-01	3.6448E+01	4.9874E+05	5.7292E+02
2.2001E+01	3.2618E-01	3.5802E+01	4.8991E+05	5.6354E+02
2.2248E+01	3.2224E-01	3.5369E+01	4.8398E+05	5.5728E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
2.2537E+01	3.1681E-01	3.4774E+01	4.7583E+05	5.5013E+02
2.2851E+01	3.1101E-01	3.4137E+01	4.6712E+05	5.4258E+02
2.3122E+01	3.0498E-01	3.3475E+01	4.5806E+05	5.3622E+02
2.3521E+01	2.9685E-01	3.2583E+01	4.4585E+05	5.2712E+02
2.3767E+01	2.9083E-01	3.1921E+01	4.3680E+05	5.2167E+02
2.3964E+01	2.8781E-01	3.1590E+01	4.3228E+05	5.1737E+02
2.4344E+01	2.8208E-01	3.0961E+01	4.2366E+05	5.0930E+02
2.4724E+01	2.7836E-01	3.0553E+01	4.1808E+05	5.0148E+02
2.4997E+01	2.7588E-01	3.0280E+01	4.1435E+05	4.9600E+02
2.5406E+01	2.7415E-01	3.0091E+01	4.1176E+05	4.8802E+02
2.5708E+01	2.7244E-01	2.9903E+01	4.0919E+05	4.8228E+02
2.5934E+01	2.7328E-01	2.9996E+01	4.1046E+05	4.7808E+02
2.6105E+01	2.7258E-01	2.9918E+01	4.0940E+05	4.7495E+02
2.6530E+01	2.7464E-01	3.0145E+01	4.1249E+05	4.6734E+02
2.6962E+01	2.7716E-01	3.0421E+01	4.1627E+05	4.5985E+02
2.7216E+01	2.7561E-01	3.0251E+01	4.1395E+05	4.5555E+02
2.7515E+01	2.7174E-01	2.9826E+01	4.0813E+05	4.5060E+02
2.7862E+01	2.6771E-01	2.9385E+01	4.0209E+05	4.4500E+02
2.8167E+01	2.6577E-01	2.9171E+01	3.9917E+05	4.4018E+02
2.8394E+01	2.6306E-01	2.8874E+01	3.9510E+05	4.3666E+02
2.8659E+01	2.6105E-01	2.8653E+01	3.9207E+05	4.3262E+02
2.8807E+01	2.6158E-01	2.8711E+01	3.9287E+05	4.3039E+02
2.9010E+01	2.6034E-01	2.8575E+01	3.9102E+05	4.2739E+02
2.9207E+01	2.6103E-01	2.8651E+01	3.9205E+05	4.2450E+02
2.9644E+01	2.5854E-01	2.8377E+01	3.8830E+05	4.1824E+02
2.9876E+01	2.5622E-01	2.8123E+01	3.8482E+05	4.1499E+02
3.0161E+01	2.5428E-01	2.7910E+01	3.8191E+05	4.1107E+02
3.0601E+01	2.5542E-01	2.8035E+01	3.8363E+05	4.0517E+02
3.1011E+01	2.5486E-01	2.7974E+01	3.8279E+05	3.9981E+02
3.1328E+01	2.5331E-01	2.7803E+01	3.8045E+05	3.9576E+02
3.1745E+01	2.4883E-01	2.7311E+01	3.7372E+05	3.9056E+02
3.1979E+01	2.4742E-01	2.7158E+01	3.7162E+05	3.8770E+02
3.2331E+01	2.5035E-01	2.7478E+01	3.7601E+05	3.8348E+02
3.2677E+01	2.5025E-01	2.7468E+01	3.7587E+05	3.7942E+02
3.3097E+01	2.4662E-01	2.7069E+01	3.7041E+05	3.7461E+02
3.3598E+01	2.4182E-01	2.6542E+01	3.6320E+05	3.6902E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
3.3850E+01	2.4043E-01	2.6389E+01	3.6111E+05	3.6628E+02
3.4046E+01	2.4235E-01	2.6601E+01	3.6399E+05	3.6417E+02
3.4328E+01	2.3941E-01	2.6278E+01	3.5958E+05	3.6118E+02
3.4934E+01	2.3777E-01	2.6098E+01	3.5712E+05	3.5491E+02
3.5155E+01	2.3838E-01	2.6165E+01	3.5804E+05	3.5268E+02
3.5376E+01	2.3537E-01	2.5834E+01	3.5351E+05	3.5048E+02
3.5546E+01	2.3236E-01	2.5504E+01	3.4898E+05	3.4880E+02
3.5643E+01	2.3675E-01	2.5986E+01	3.5559E+05	3.4785E+02
3.5930E+01	2.3135E-01	2.5393E+01	3.4747E+05	3.4507E+02
3.6160E+01	2.2234E-01	2.4404E+01	3.3394E+05	3.4288E+02
3.6670E+01	2.2161E-01	2.4324E+01	3.3285E+05	3.3811E+02
3.7190E+01	2.1914E-01	2.4053E+01	3.2913E+05	3.3338E+02
3.7700E+01	2.1882E-01	2.4018E+01	3.2865E+05	3.2887E+02
3.8210E+01	2.1449E-01	2.3543E+01	3.2215E+05	3.2448E+02
3.8720E+01	2.1109E-01	2.3169E+01	3.1704E+05	3.2021E+02
3.9230E+01	2.0089E-01	2.2050E+01	3.0172E+05	3.1604E+02
3.9740E+01	2.0025E-01	2.1980E+01	3.0076E+05	3.1199E+02
4.0030E+01	1.9433E-01	2.1330E+01	2.9187E+05	3.0973E+02
4.1070E+01	1.8347E-01	2.0138E+01	2.7556E+05	3.0189E+02
4.2100E+01	1.7981E-01	1.9736E+01	2.7006E+05	2.9450E+02
4.3130E+01	1.7047E-01	1.8710E+01	2.5603E+05	2.8747E+02
4.4170E+01	1.6193E-01	1.7774E+01	2.4322E+05	2.8070E+02
4.5200E+01	1.5659E-01	1.7188E+01	2.3519E+05	2.7430E+02
4.6230E+01	1.5041E-01	1.6509E+01	2.2591E+05	2.6819E+02
4.7270E+01	1.4660E-01	1.6092E+01	2.2019E+05	2.6229E+02
4.8300E+01	1.4248E-01	1.5639E+01	2.1399E+05	2.5670E+02
4.9330E+01	1.3928E-01	1.5287E+01	2.0919E+05	2.5134E+02
5.0370E+01	1.3690E-01	1.5027E+01	2.0562E+05	2.4615E+02
5.1400E+01	1.3650E-01	1.4982E+01	2.0501E+05	2.4121E+02
5.2430E+01	1.3287E-01	1.4584E+01	1.9956E+05	2.3648E+02
5.3470E+01	1.3257E-01	1.4550E+01	1.9910E+05	2.3188E+02
5.4500E+01	1.2945E-01	1.4208E+01	1.9442E+05	2.2749E+02
5.5530E+01	1.2726E-01	1.3968E+01	1.9114E+05	2.2327E+02
5.6570E+01	1.2424E-01	1.3637E+01	1.8660E+05	2.1917E+02
5.7600E+01	1.2121E-01	1.3304E+01	1.8205E+05	2.1525E+02
5.8630E+01	1.2120E-01	1.3304E+01	1.8204E+05	2.1147E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
5.9670E+01	1.1472E-01	1.2592E+01	1.7230E+05	2.0778E+02
6.0700E+01	1.1230E-01	1.2326E+01	1.6867E+05	2.0426E+02
6.1730E+01	1.0789E-01	1.1842E+01	1.6204E+05	2.0085E+02
6.2770E+01	1.0410E-01	1.1426E+01	1.5635E+05	1.9752E+02
6.3800E+01	1.0093E-01	1.1079E+01	1.5160E+05	1.9433E+02
6.4830E+01	9.6501E-02	1.0592E+01	1.4494E+05	1.9125E+02
6.5870E+01	9.1747E-02	1.0070E+01	1.3780E+05	1.8823E+02
6.6900E+01	8.9929E-02	9.8707E+00	1.3507E+05	1.8533E+02
6.7930E+01	8.6319E-02	9.4744E+00	1.2965E+05	1.8252E+02
6.8970E+01	8.3440E-02	9.1585E+00	1.2532E+05	1.7977E+02
7.0000E+01	8.1294E-02	8.9229E+00	1.2210E+05	1.7712E+02
7.1030E+01	7.8617E-02	8.6291E+00	1.1808E+05	1.7455E+02
7.2070E+01	7.5619E-02	8.3000E+00	1.1358E+05	1.7203E+02
7.3100E+01	7.4096E-02	8.1328E+00	1.1129E+05	1.6961E+02
7.4130E+01	7.1300E-02	7.8260E+00	1.0709E+05	1.6725E+02
7.5170E+01	6.9453E-02	7.6232E+00	1.0431E+05	1.6494E+02
7.6200E+01	6.7073E-02	7.3619E+00	1.0074E+05	1.6271E+02
7.7230E+01	6.6809E-02	7.3330E+00	1.0034E+05	1.6054E+02
7.8270E+01	6.3149E-02	6.9313E+00	9.4846E+04	1.5841E+02
7.9300E+01	6.2670E-02	6.8787E+00	9.4126E+04	1.5635E+02
8.0050E+01	6.0687E-02	6.6611E+00	9.1149E+04	1.5488E+02
8.2100E+01	5.7805E-02	6.3447E+00	8.6819E+04	1.5102E+02
8.4150E+01	5.5126E-02	6.0507E+00	8.2796E+04	1.4734E+02
8.6200E+01	5.2972E-02	5.8142E+00	7.9561E+04	1.4383E+02
8.8250E+01	5.0490E-02	5.5418E+00	7.5833E+04	1.4049E+02
9.0300E+01	4.8321E-02	5.3038E+00	7.2575E+04	1.3730E+02
9.2340E+01	4.5823E-02	5.0295E+00	6.8823E+04	1.3427E+02
9.4390E+01	4.4176E-02	4.8488E+00	6.6350E+04	1.3135E+02
9.6440E+01	4.2094E-02	4.6202E+00	6.3222E+04	1.2856E+02
9.8490E+01	4.0328E-02	4.4264E+00	6.0570E+04	1.2589E+02
1.0054E+02	3.8664E-02	4.2438E+00	5.8071E+04	1.2332E+02
1.0259E+02	3.6995E-02	4.0606E+00	5.5564E+04	1.2085E+02
1.0464E+02	3.5103E-02	3.8530E+00	5.2723E+04	1.1849E+02
1.0669E+02	3.3857E-02	3.7162E+00	5.0851E+04	1.1621E+02
1.0708E+02	3.3596E-02	3.6875E+00	5.0459E+04	1.1579E+02
1.2500E+02	2.2946E-02	2.5185E+00	3.4463E+04	9.9187E+01

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.5000E+02	1.5587E-02	1.7109E+00	2.3411E+04	8.2656E+01
1.7500E+02	1.1014E-02	1.2089E+00	1.6542E+04	7.0848E+01
2.0000E+02	7.9562E-03	8.7328E-01	1.1950E+04	6.1992E+01
2.2500E+02	5.8478E-03	6.4186E-01	8.7830E+03	5.5104E+01
2.5000E+02	4.3620E-03	4.7878E-01	6.5515E+03	4.9594E+01
2.7500E+02	3.2952E-03	3.6168E-01	4.9491E+03	4.5085E+01
2.8000E+02	3.1196E-03	3.4241E-01	4.6855E+03	4.4280E+01
2.8522E+02	2.9966E-03	3.2891E-01	4.5007E+03	4.3470E+01
2.8737E+02	5.3084E-03	5.8265E-01	7.9728E+03	4.3144E+01
2.8867E+02	8.2183E-03	9.0205E-01	1.2343E+04	4.2950E+01
2.8933E+02	1.0833E-02	1.1891E+00	1.6271E+04	4.2852E+01
2.8967E+02	1.3569E-02	1.4893E+00	2.0379E+04	4.2802E+01
2.9006E+02	2.5525E-02	2.8017E+00	3.8337E+04	4.2744E+01
2.9036E+02	3.7362E-02	4.1009E+00	5.6116E+04	4.2700E+01
2.9071E+02	9.1203E-02	1.0011E+01	1.3698E+05	4.2649E+01
2.9105E+02	1.0916E-01	1.1982E+01	1.6395E+05	4.2599E+01
2.9132E+02	9.1203E-02	1.0011E+01	1.3698E+05	4.2559E+01
2.9175E+02	3.7714E-02	4.1395E+00	5.6644E+04	4.2497E+01
2.9194E+02	2.5339E-02	2.7813E+00	3.8058E+04	4.2469E+01
2.9213E+02	1.3262E-02	1.4556E+00	1.9918E+04	4.2441E+01
2.9217E+02	1.0109E-02	1.1096E+00	1.5183E+04	4.2436E+01
2.9247E+02	8.9174E-03	9.7879E-01	1.3393E+04	4.2392E+01
2.9286E+02	9.2732E-03	1.0178E+00	1.3928E+04	4.2336E+01
2.9336E+02	1.1770E-02	1.2919E+00	1.7678E+04	4.2263E+01
2.9366E+02	9.1513E-03	1.0045E+00	1.3745E+04	4.2220E+01
2.9397E+02	8.1977E-03	8.9979E-01	1.2313E+04	4.2176E+01
2.9466E+02	7.6002E-03	8.3420E-01	1.1415E+04	4.2077E+01
2.9547E+02	9.7984E-03	1.0755E+00	1.4717E+04	4.1962E+01
2.9601E+02	7.5355E-03	8.2710E-01	1.1318E+04	4.1885E+01
2.9631E+02	7.5343E-03	8.2697E-01	1.1316E+04	4.1843E+01
2.9697E+02	8.3051E-03	9.1158E-01	1.2474E+04	4.1750E+01
2.9793E+02	8.0039E-03	8.7852E-01	1.2021E+04	4.1615E+01
2.9904E+02	9.0704E-03	9.9558E-01	1.3623E+04	4.1461E+01
3.0031E+02	9.2441E-03	1.0146E+00	1.3884E+04	4.1285E+01
3.0153E+02	1.0845E-02	1.1904E+00	1.6289E+04	4.1118E+01
3.0284E+02	1.1138E-02	1.2225E+00	1.6729E+04	4.0940E+01

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
3.0384E+02	1.2859E-02	1.4115E+00	1.9314E+04	4.0806E+01
3.0453E+02	1.3035E-02	1.4308E+00	1.9578E+04	4.0713E+01
3.0560E+02	1.2258E-02	1.3454E+00	1.8411E+04	4.0571E+01
3.0698E+02	1.2609E-02	1.3840E+00	1.8938E+04	4.0388E+01
3.0852E+02	1.4090E-02	1.5465E+00	2.1162E+04	4.0187E+01
3.1002E+02	1.5988E-02	1.7548E+00	2.4013E+04	3.9992E+01
3.1128E+02	1.7708E-02	1.9437E+00	2.6597E+04	3.9830E+01
3.1224E+02	1.8241E-02	2.0021E+00	2.7396E+04	3.9708E+01
3.1328E+02	1.7582E-02	1.9298E+00	2.6407E+04	3.9576E+01
3.1424E+02	1.7578E-02	1.9294E+00	2.6401E+04	3.9455E+01
3.1539E+02	1.6443E-02	1.8048E+00	2.4696E+04	3.9311E+01
3.1650E+02	1.5011E-02	1.6476E+00	2.2546E+04	3.9174E+01
3.1785E+02	1.3697E-02	1.5034E+00	2.0572E+04	3.9007E+01
3.1996E+02	1.2261E-02	1.3458E+00	1.8416E+04	3.8750E+01
3.2245E+02	1.1003E-02	1.2077E+00	1.6525E+04	3.8451E+01
3.2545E+02	9.8603E-03	1.0823E+00	1.4810E+04	3.8096E+01
3.2875E+02	8.8957E-03	9.7640E-01	1.3361E+04	3.7714E+01
3.3193E+02	8.2884E-03	9.0974E-01	1.2449E+04	3.7353E+01
3.3593E+02	7.8564E-03	8.6233E-01	1.1800E+04	3.6908E+01
3.3904E+02	7.7849E-03	8.5447E-01	1.1692E+04	3.6569E+01
3.4134E+02	7.7164E-03	8.4696E-01	1.1590E+04	3.6323E+01
3.5000E+02	7.5712E-03	8.3102E-01	1.1371E+04	3.5424E+01
4.0000E+02	5.5024E-03	6.0395E-01	8.2643E+03	3.0996E+01
4.5000E+02	4.0997E-03	4.4998E-01	6.1575E+03	2.7552E+01
5.0000E+02	3.1384E-03	3.4447E-01	4.7137E+03	2.4797E+01
5.2490E+02	2.7739E-03	3.0446E-01	4.1662E+03	2.3621E+01
5.2490E+02	3.1787E-03	3.4889E-01	4.7742E+03	2.3621E+01
5.2954E+02	3.3725E-03	3.7017E-01	5.0653E+03	2.3414E+01
5.3096E+02	3.7672E-03	4.1350E-01	5.6582E+03	2.3351E+01
5.3214E+02	4.7651E-03	5.2302E-01	7.1569E+03	2.3299E+01
5.3282E+02	6.6668E-03	7.3175E-01	1.0013E+04	2.3269E+01
5.3319E+02	2.3455E-02	2.5744E+00	3.5227E+04	2.3253E+01
5.3373E+02	4.3609E-02	4.7866E+00	6.5498E+04	2.3230E+01
5.3448E+02	2.7128E-02	2.9776E+00	4.0744E+04	2.3197E+01
5.3503E+02	1.1251E-02	1.2349E+00	1.6898E+04	2.3173E+01
5.3526E+02	9.9572E-03	1.0929E+00	1.4955E+04	2.3163E+01

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
5.3561E+02	9.1825E-03	1.0079E+00	1.3792E+04	2.3148E+01
5.3604E+02	8.7094E-03	9.5595E-01	1.3081E+04	2.3130E+01
5.3642E+02	8.9703E-03	9.8459E-01	1.3473E+04	2.3113E+01
5.3691E+02	1.1518E-02	1.2643E+00	1.7300E+04	2.3092E+01
5.3717E+02	1.3591E-02	1.4918E+00	2.0413E+04	2.3081E+01
5.3743E+02	1.4239E-02	1.5629E+00	2.1386E+04	2.3070E+01
5.3774E+02	1.4240E-02	1.5630E+00	2.1388E+04	2.3057E+01
5.3812E+02	1.3897E-02	1.5253E+00	2.0872E+04	2.3040E+01
5.3851E+02	1.3985E-02	1.5350E+00	2.1005E+04	2.3024E+01
5.3904E+02	1.4591E-02	1.6016E+00	2.1915E+04	2.3001E+01
5.3996E+02	1.5027E-02	1.6494E+00	2.2570E+04	2.2962E+01
5.4084E+02	1.4643E-02	1.6072E+00	2.1993E+04	2.2924E+01
5.4226E+02	1.3441E-02	1.4753E+00	2.0188E+04	2.2864E+01
5.4403E+02	1.2586E-02	1.3815E+00	1.8904E+04	2.2790E+01
5.4568E+02	1.2420E-02	1.3633E+00	1.8655E+04	2.2721E+01
5.4725E+02	1.2903E-02	1.4162E+00	1.9379E+04	2.2656E+01
5.4855E+02	1.2692E-02	1.3931E+00	1.9063E+04	2.2602E+01
5.4920E+02	1.2868E-02	1.4124E+00	1.9327E+04	2.2575E+01
5.5054E+02	1.3910E-02	1.5268E+00	2.0892E+04	2.2520E+01
5.5245E+02	1.5904E-02	1.7456E+00	2.3886E+04	2.2443E+01
5.5360E+02	1.6383E-02	1.7982E+00	2.4607E+04	2.2396E+01
5.5567E+02	1.6392E-02	1.7992E+00	2.4620E+04	2.2313E+01
5.5693E+02	1.7046E-02	1.8709E+00	2.5601E+04	2.2262E+01
5.5781E+02	1.7351E-02	1.9045E+00	2.6061E+04	2.2227E+01
5.5835E+02	1.7181E-02	1.8858E+00	2.5805E+04	2.2205E+01
5.5938E+02	1.6453E-02	1.8059E+00	2.4711E+04	2.2165E+01
5.6007E+02	1.5937E-02	1.7493E+00	2.3937E+04	2.2137E+01
5.6080E+02	1.5294E-02	1.6787E+00	2.2970E+04	2.2108E+01
5.6292E+02	1.4095E-02	1.5471E+00	2.1169E+04	2.2025E+01
5.6495E+02	1.3284E-02	1.4581E+00	1.9952E+04	2.1946E+01
5.6760E+02	1.2735E-02	1.3978E+00	1.9127E+04	2.1844E+01
5.7009E+02	1.2445E-02	1.3659E+00	1.8691E+04	2.1748E+01
5.7280E+02	1.2198E-02	1.3389E+00	1.8321E+04	2.1645E+01
6.0000E+02	9.6747E-03	1.0619E+00	1.4531E+04	2.0664E+01
7.0000E+02	6.6135E-03	7.2591E-01	9.9331E+03	1.7712E+01
8.0000E+02	4.7164E-03	5.1768E-01	7.0838E+03	1.5498E+01

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
9.0000E+02	3.4788E-03	3.8184E-01	5.2250E+03	1.3776E+01
1.0000E+03	2.6378E-03	2.8953E-01	3.9618E+03	1.2398E+01
1.2500E+03	1.4498E-03	1.5914E-01	2.1776E+03	9.9187E+00
1.5000E+03	8.7972E-04	9.6559E-02	1.3213E+03	8.2656E+00
1.7500E+03	5.7310E-04	6.2904E-02	8.6076E+02	7.0848E+00
2.0000E+03	3.9385E-04	4.3230E-02	5.9154E+02	6.1992E+00
2.2500E+03	2.8218E-04	3.0973E-02	4.2382E+02	5.5104E+00
2.5000E+03	2.0860E-04	2.2896E-02	3.1330E+02	4.9594E+00
2.7500E+03	1.5872E-04	1.7422E-02	2.3839E+02	4.5085E+00
3.0000E+03	1.2325E-04	1.3528E-02	1.8512E+02	4.1328E+00
3.5000E+03	7.8225E-05	8.5861E-03	1.1749E+02	3.5424E+00
4.0000E+03	5.2472E-05	5.7594E-03	7.8809E+01	3.0996E+00
4.5000E+03	3.6765E-05	4.0354E-03	5.5219E+01	2.7552E+00
5.0000E+03	2.6679E-05	2.9283E-03	4.0071E+01	2.4797E+00
6.0000E+03	1.5241E-05	1.6729E-03	2.2891E+01	2.0664E+00
7.0000E+03	9.4478E-06	1.0370E-03	1.4190E+01	1.7712E+00
8.0000E+03	6.2207E-06	6.8279E-04	9.3431E+00	1.5498E+00
9.0000E+03	4.2896E-06	4.7084E-04	6.4428E+00	1.3776E+00
1.0000E+04	2.9471E-06	3.2348E-04	4.4264E+00	1.2398E+00
1.2500E+04	1.4434E-06	1.5843E-04	2.1680E+00	9.9187E-01
1.5000E+04	8.0547E-07	8.8410E-05	1.2098E+00	8.2656E-01
1.7500E+04	4.9190E-07	5.3992E-05	7.3881E-01	7.0848E-01
2.0000E+04	3.2088E-07	3.5221E-05	4.8195E-01	6.1992E-01
2.2500E+04	2.2016E-07	2.4165E-05	3.3067E-01	5.5104E-01
2.5000E+04	1.5719E-07	1.7253E-05	2.3608E-01	4.9594E-01
2.7500E+04	1.1557E-07	1.2685E-05	1.7358E-01	4.5085E-01
3.0000E+04	8.6897E-08	9.5379E-06	1.3051E-01	4.1328E-01
3.5000E+04	5.2416E-08	5.7532E-06	7.8726E-02	3.5424E-01
4.0000E+04	3.3831E-08	3.7134E-06	5.0813E-02	3.0996E-01
4.5000E+04	2.2993E-08	2.5237E-06	3.4534E-02	2.7552E-01
5.0000E+04	1.6276E-08	1.7865E-06	2.4446E-02	2.4797E-01
6.0000E+04	8.9530E-09	9.8269E-07	1.3447E-02	2.0664E-01
7.0000E+04	5.4009E-09	5.9281E-07	8.1119E-03	1.7712E-01
8.0000E+04	3.4849E-09	3.8251E-07	5.2341E-03	1.5498E-01
9.0000E+04	2.3666E-09	2.5976E-07	3.5544E-03	1.3776E-01
1.0000E+05	1.6729E-09	1.8362E-07	2.5126E-03	1.2398E-01

When photon energy, E , is higher than 10^5 eV, the photoabsorption cross section of each atom, σ_a , in Mb is given by

$$\sigma_a = 680 (Z - 0.3)^6 \left(\frac{Ry}{E} \right)^4 \frac{\exp[-4\chi \arctan(\chi^{-1})]}{1 - \exp(-2\pi\chi)} .$$

Here E is photon energy in eV and χ is given by

$$\chi = \sqrt{\frac{E_K}{E - E_K}} ,$$

where $E_K = 297.65$ and 541.1 eV for carbon and oxygen atoms, respectively.

