

Silane (SiH₄)

Z = 18

Molecular Mass : $M_A = 32.11726$

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

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

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)
7.6800E+00	3.6575E-03	4.0145E-01	7.5273E+03	1.6144E+03
7.9145E+00	7.3148E-03	8.0288E-01	1.5054E+04	1.5665E+03
8.0399E+00	2.0116E-02	2.2079E+00	4.1400E+04	1.5421E+03
8.2051E+00	4.9376E-02	5.4195E+00	1.0162E+05	1.5111E+03
8.3476E+00	1.1155E-01	1.2244E+01	2.2958E+05	1.4853E+03
8.5128E+00	2.2128E-01	2.4288E+01	4.5541E+05	1.4564E+03
8.6496E+00	3.1088E-01	3.4122E+01	6.3981E+05	1.4334E+03
8.7806E+00	3.8586E-01	4.2352E+01	7.9412E+05	1.4120E+03
8.9402E+00	4.4438E-01	4.8775E+01	9.1456E+05	1.3868E+03
9.0940E+00	4.8461E-01	5.3191E+01	9.9735E+05	1.3634E+03
9.1966E+00	5.1936E-01	5.7005E+01	1.0689E+06	1.3482E+03
9.3561E+00	5.9616E-01	6.5435E+01	1.2269E+06	1.3252E+03
9.3960E+00	6.1993E-01	6.8045E+01	1.2759E+06	1.3195E+03
9.5214E+00	6.6382E-01	7.2862E+01	1.3662E+06	1.3022E+03
9.6239E+00	6.9856E-01	7.6675E+01	1.4377E+06	1.2883E+03
9.6980E+00	7.1136E-01	7.8080E+01	1.4640E+06	1.2785E+03
9.8803E+00	7.0953E-01	7.7879E+01	1.4603E+06	1.2549E+03
9.9886E+00	7.0771E-01	7.7679E+01	1.4565E+06	1.2413E+03
1.0108E+01	7.2965E-01	8.0088E+01	1.5017E+06	1.2266E+03
1.0245E+01	7.8085E-01	8.5707E+01	1.6071E+06	1.2102E+03
1.0365E+01	8.5035E-01	9.3336E+01	1.7501E+06	1.1962E+03
1.0473E+01	9.3630E-01	1.0277E+02	1.9270E+06	1.1838E+03
1.0553E+01	1.0168E+00	1.1161E+02	2.0927E+06	1.1749E+03
1.0581E+01	1.0350E+00	1.1360E+02	2.1301E+06	1.1718E+03
1.0610E+01	1.0771E+00	1.1823E+02	2.2168E+06	1.1686E+03
1.0707E+01	1.1046E+00	1.2124E+02	2.2733E+06	1.1580E+03
1.0729E+01	1.0972E+00	1.2043E+02	2.2581E+06	1.1556E+03
1.0758E+01	1.0625E+00	1.1662E+02	2.1866E+06	1.1525E+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)
1.0809E+01	1.0460E+00	1.1481E+02	2.1528E+06	1.1470E+03
1.0826E+01	1.0259E+00	1.1260E+02	2.1113E+06	1.1452E+03
1.0906E+01	1.0003E+00	1.0979E+02	2.0587E+06	1.1368E+03
1.0946E+01	1.0003E+00	1.0979E+02	2.0587E+06	1.1327E+03
1.0986E+01	9.7836E-01	1.0739E+02	2.0135E+06	1.1286E+03
1.1031E+01	9.8936E-01	1.0859E+02	2.0362E+06	1.1240E+03
1.1077E+01	9.6556E-01	1.0598E+02	1.9872E+06	1.1193E+03
1.1117E+01	9.8572E-01	1.0819E+02	2.0287E+06	1.1153E+03
1.1162E+01	9.6007E-01	1.0538E+02	1.9759E+06	1.1108E+03
1.1185E+01	9.8201E-01	1.0779E+02	2.0211E+06	1.1085E+03
1.1214E+01	9.8384E-01	1.0799E+02	2.0248E+06	1.1056E+03
1.1236E+01	9.6373E-01	1.0578E+02	1.9834E+06	1.1035E+03
1.1259E+01	9.6007E-01	1.0538E+02	1.9759E+06	1.1012E+03
1.1282E+01	9.7104E-01	1.0658E+02	1.9985E+06	1.0990E+03
1.1339E+01	9.3813E-01	1.0297E+02	1.9307E+06	1.0934E+03
1.1356E+01	9.1435E-01	1.0036E+02	1.8818E+06	1.0918E+03
1.1379E+01	9.2350E-01	1.0136E+02	1.9006E+06	1.0896E+03
1.1402E+01	8.9789E-01	9.8554E+01	1.8479E+06	1.0874E+03
1.1419E+01	8.8143E-01	9.6747E+01	1.8141E+06	1.0858E+03
1.1487E+01	8.6680E-01	9.5141E+01	1.7839E+06	1.0793E+03
1.1527E+01	8.3023E-01	9.1127E+01	1.7087E+06	1.0756E+03
1.1567E+01	8.3389E-01	9.1529E+01	1.7162E+06	1.0719E+03
1.1618E+01	8.0829E-01	8.8719E+01	1.6635E+06	1.0672E+03
1.1652E+01	8.1194E-01	8.9120E+01	1.6710E+06	1.0641E+03
1.1709E+01	7.9183E-01	8.6912E+01	1.6296E+06	1.0589E+03
1.1744E+01	7.9731E-01	8.7514E+01	1.6409E+06	1.0557E+03
1.1772E+01	7.8451E-01	8.6109E+01	1.6146E+06	1.0532E+03
1.1812E+01	7.8268E-01	8.5908E+01	1.6108E+06	1.0496E+03
1.1909E+01	7.5160E-01	8.2497E+01	1.5469E+06	1.0411E+03
1.1949E+01	7.4977E-01	8.2296E+01	1.5431E+06	1.0376E+03
1.1994E+01	7.2599E-01	7.9686E+01	1.4941E+06	1.0337E+03
1.2051E+01	7.2782E-01	7.9887E+01	1.4979E+06	1.0288E+03
1.2137E+01	7.2234E-01	7.9285E+01	1.4866E+06	1.0215E+03
1.2262E+01	7.2965E-01	8.0088E+01	1.5017E+06	1.0111E+03
1.2370E+01	7.1685E-01	7.8683E+01	1.4753E+06	1.0023E+03
1.2536E+01	6.9125E-01	7.5873E+01	1.4227E+06	9.8903E+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)
1.2570E+01	6.9856E-01	7.6675E+01	1.4377E+06	9.8635E+02
1.2718E+01	6.7662E-01	7.4267E+01	1.3925E+06	9.7487E+02
1.2809E+01	6.6199E-01	7.2661E+01	1.3624E+06	9.6795E+02
1.2855E+01	6.6930E-01	7.3464E+01	1.3775E+06	9.6448E+02
1.2906E+01	6.5284E-01	7.1657E+01	1.3436E+06	9.6067E+02
1.3000E+01	6.4187E-01	7.0453E+01	1.3210E+06	9.5372E+02
1.3147E+01	6.3407E-01	6.9596E+01	1.3050E+06	9.4306E+02
1.3378E+01	5.9869E-01	6.5713E+01	1.2322E+06	9.2678E+02
1.3500E+01	5.8422E-01	6.4125E+01	1.2024E+06	9.1840E+02
1.3629E+01	5.7937E-01	6.3592E+01	1.1924E+06	9.0971E+02
1.3880E+01	5.6038E-01	6.1508E+01	1.1533E+06	8.9326E+02
1.4170E+01	5.7097E-01	6.2670E+01	1.1751E+06	8.7498E+02
1.4208E+01	5.8412E-01	6.4113E+01	1.2022E+06	8.7264E+02
1.4324E+01	5.9065E-01	6.4830E+01	1.2156E+06	8.6557E+02
1.4401E+01	5.9967E-01	6.5820E+01	1.2342E+06	8.6094E+02
1.4421E+01	6.0870E-01	6.6812E+01	1.2528E+06	8.5975E+02
1.4536E+01	6.2182E-01	6.8251E+01	1.2797E+06	8.5295E+02
1.4749E+01	6.2420E-01	6.8513E+01	1.2847E+06	8.4063E+02
1.4942E+01	6.1182E-01	6.7154E+01	1.2592E+06	8.2977E+02
1.5038E+01	5.9452E-01	6.5255E+01	1.2236E+06	8.2447E+02
1.5077E+01	5.7479E-01	6.3089E+01	1.1830E+06	8.2234E+02
1.5154E+01	5.6325E-01	6.1823E+01	1.1592E+06	8.1816E+02
1.5270E+01	5.2622E-01	5.7758E+01	1.0830E+06	8.1195E+02
1.5463E+01	4.7766E-01	5.2428E+01	9.8306E+05	8.0181E+02
1.5509E+01	4.5173E-01	4.9583E+01	9.2970E+05	7.9943E+02
1.5580E+01	4.3538E-01	4.7788E+01	8.9605E+05	7.9579E+02
1.5619E+01	4.2075E-01	4.6182E+01	8.6593E+05	7.9380E+02
1.5669E+01	4.0641E-01	4.4608E+01	8.3642E+05	7.9127E+02
1.5697E+01	3.9149E-01	4.2970E+01	8.0571E+05	7.8986E+02
1.5719E+01	3.9465E-01	4.3318E+01	8.1222E+05	7.8875E+02
1.5746E+01	4.1933E-01	4.6026E+01	8.6302E+05	7.8740E+02
1.5763E+01	4.2766E-01	4.6941E+01	8.8016E+05	7.8655E+02
1.5774E+01	4.2910E-01	4.7098E+01	8.8312E+05	7.8600E+02
1.5794E+01	4.1819E-01	4.5901E+01	8.6067E+05	7.8501E+02
1.5807E+01	4.1562E-01	4.5619E+01	8.5537E+05	7.8436E+02
1.5813E+01	4.0930E-01	4.4925E+01	8.4236E+05	7.8406E+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)
1.5846E+01	4.0241E-01	4.4169E+01	8.2820E+05	7.8243E+02
1.5871E+01	3.9209E-01	4.3036E+01	8.0694E+05	7.8120E+02
1.5904E+01	3.7975E-01	4.1682E+01	7.8156E+05	7.7958E+02
1.5919E+01	3.7774E-01	4.1462E+01	7.7743E+05	7.7884E+02
1.5934E+01	3.8062E-01	4.1777E+01	7.8335E+05	7.7811E+02
1.5949E+01	3.9956E-01	4.3856E+01	8.2232E+05	7.7738E+02
1.5968E+01	4.1821E-01	4.5904E+01	8.6071E+05	7.7645E+02
1.5979E+01	4.2109E-01	4.6219E+01	8.6663E+05	7.7592E+02
1.5990E+01	4.2167E-01	4.6283E+01	8.6783E+05	7.7539E+02
1.6000E+01	4.2081E-01	4.6189E+01	8.6606E+05	7.7490E+02
1.6039E+01	4.0215E-01	4.4141E+01	8.2766E+05	7.7302E+02
1.6080E+01	3.9441E-01	4.3291E+01	8.1173E+05	7.7105E+02
1.6098E+01	3.8609E-01	4.2378E+01	7.9461E+05	7.7018E+02
1.6141E+01	3.8007E-01	4.1717E+01	7.8221E+05	7.6813E+02
1.6175E+01	3.9787E-01	4.3671E+01	8.1884E+05	7.6652E+02
1.6196E+01	4.0534E-01	4.4491E+01	8.3422E+05	7.6552E+02
1.6235E+01	3.9099E-01	4.2915E+01	8.0468E+05	7.6368E+02
1.6334E+01	3.6920E-01	4.0523E+01	7.5983E+05	7.5906E+02
1.6358E+01	3.6863E-01	4.0461E+01	7.5866E+05	7.5794E+02
1.6373E+01	3.7006E-01	4.0619E+01	7.6162E+05	7.5725E+02
1.6390E+01	3.7552E-01	4.1217E+01	7.7284E+05	7.5646E+02
1.6403E+01	3.7552E-01	4.1217E+01	7.7284E+05	7.5586E+02
1.6442E+01	3.6835E-01	4.0430E+01	7.5808E+05	7.5407E+02
1.6541E+01	3.4770E-01	3.8164E+01	7.1560E+05	7.4956E+02
1.6561E+01	3.4626E-01	3.8006E+01	7.1264E+05	7.4865E+02
1.6606E+01	3.4771E-01	3.8165E+01	7.1562E+05	7.4662E+02
1.6638E+01	3.5776E-01	3.9268E+01	7.3630E+05	7.4519E+02
1.6662E+01	3.6292E-01	3.9835E+01	7.4692E+05	7.4411E+02
1.6686E+01	3.4944E-01	3.8355E+01	7.1917E+05	7.4304E+02
1.6709E+01	3.3711E-01	3.7001E+01	6.9379E+05	7.4202E+02
1.6813E+01	3.1904E-01	3.5018E+01	6.5660E+05	7.3743E+02
1.6828E+01	3.1962E-01	3.5082E+01	6.5780E+05	7.3677E+02
1.6851E+01	3.3627E-01	3.6909E+01	6.9206E+05	7.3577E+02
1.6871E+01	3.5406E-01	3.8862E+01	7.2869E+05	7.3490E+02
1.6881E+01	3.5607E-01	3.9083E+01	7.3282E+05	7.3446E+02
1.6892E+01	3.5292E-01	3.8736E+01	7.2633E+05	7.3398E+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)
1.6920E+01	3.3082E-01	3.6312E+01	6.8086E+05	7.3277E+02
1.6951E+01	3.2221E-01	3.5367E+01	6.6314E+05	7.3143E+02
1.6959E+01	3.2221E-01	3.5367E+01	6.6314E+05	7.3108E+02
1.7030E+01	3.0128E-01	3.3069E+01	6.2006E+05	7.2803E+02
1.7058E+01	3.0559E-01	3.3541E+01	6.2892E+05	7.2684E+02
1.7078E+01	3.2740E-01	3.5936E+01	6.7381E+05	7.2599E+02
1.7088E+01	3.3170E-01	3.6408E+01	6.8267E+05	7.2556E+02
1.7097E+01	3.3285E-01	3.6534E+01	6.8503E+05	7.2518E+02
1.7108E+01	3.3286E-01	3.6535E+01	6.8505E+05	7.2471E+02
1.7138E+01	3.1593E-01	3.4677E+01	6.5021E+05	7.2345E+02
1.7175E+01	3.0703E-01	3.3700E+01	6.3190E+05	7.2189E+02
1.7185E+01	3.0962E-01	3.3984E+01	6.3722E+05	7.2147E+02
1.7198E+01	3.1077E-01	3.4110E+01	6.3958E+05	7.2092E+02
1.7215E+01	3.0905E-01	3.3922E+01	6.3605E+05	7.2021E+02
1.7254E+01	2.9069E-01	3.1907E+01	5.9827E+05	7.1858E+02
1.7276E+01	2.9529E-01	3.2411E+01	6.0772E+05	7.1767E+02
1.7304E+01	3.1222E-01	3.4269E+01	6.4257E+05	7.1651E+02
1.7323E+01	3.1223E-01	3.4270E+01	6.4259E+05	7.1572E+02
1.7345E+01	3.0075E-01	3.3011E+01	6.1897E+05	7.1481E+02
1.7390E+01	2.9415E-01	3.2286E+01	6.0538E+05	7.1296E+02
1.7420E+01	2.9846E-01	3.2760E+01	6.1426E+05	7.1173E+02
1.7442E+01	2.9732E-01	3.2634E+01	6.1190E+05	7.1084E+02
1.7476E+01	2.8556E-01	3.1343E+01	5.8770E+05	7.0945E+02
1.7500E+01	2.9072E-01	3.1910E+01	5.9833E+05	7.0848E+02
1.7519E+01	2.9876E-01	3.2793E+01	6.1488E+05	7.0771E+02
1.7532E+01	2.9934E-01	3.2856E+01	6.1607E+05	7.0719E+02
1.7541E+01	2.9245E-01	3.2100E+01	6.0189E+05	7.0683E+02
1.7584E+01	2.8185E-01	3.0936E+01	5.8006E+05	7.0510E+02
1.7648E+01	2.8529E-01	3.1314E+01	5.8715E+05	7.0254E+02
1.7694E+01	2.7583E-01	3.0276E+01	5.6768E+05	7.0071E+02
1.7704E+01	2.8071E-01	3.0811E+01	5.7771E+05	7.0032E+02
1.7724E+01	2.8272E-01	3.1032E+01	5.8187E+05	6.9953E+02
1.7750E+01	2.8101E-01	3.0844E+01	5.7833E+05	6.9850E+02
1.7788E+01	2.7097E-01	2.9742E+01	5.5767E+05	6.9701E+02
1.7831E+01	2.7441E-01	3.0120E+01	5.6477E+05	6.9533E+02
1.7877E+01	2.6782E-01	2.9397E+01	5.5120E+05	6.9354E+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)
1.7959E+01	2.6869E-01	2.9492E+01	5.5299E+05	6.9037E+02
1.7993E+01	2.6267E-01	2.8831E+01	5.4059E+05	6.8907E+02
1.8055E+01	2.6182E-01	2.8738E+01	5.3885E+05	6.8670E+02
1.8144E+01	2.5753E-01	2.8266E+01	5.3001E+05	6.8333E+02
1.8299E+01	2.4894E-01	2.7324E+01	5.1233E+05	6.7755E+02
1.8499E+01	2.4085E-01	2.6436E+01	4.9568E+05	6.7022E+02
1.9175E+01	2.1109E-01	2.3170E+01	4.3445E+05	6.4659E+02
1.9928E+01	1.8295E-01	2.0081E+01	3.7652E+05	6.2216E+02
2.0681E+01	1.5642E-01	1.7169E+01	3.2193E+05	5.9951E+02
2.1568E+01	1.2990E-01	1.4258E+01	2.6734E+05	5.7485E+02
2.2359E+01	1.1143E-01	1.2231E+01	2.2933E+05	5.5452E+02
2.3208E+01	1.0020E-01	1.0998E+01	2.0623E+05	5.3423E+02
2.4191E+01	8.8991E-02	9.7677E+00	1.8315E+05	5.1252E+02
2.5271E+01	8.2618E-02	9.0682E+00	1.7003E+05	4.9062E+02
2.6235E+01	7.6236E-02	8.3677E+00	1.5690E+05	4.7259E+02
2.7334E+01	6.9058E-02	7.5799E+00	1.4213E+05	4.5359E+02
2.8240E+01	6.4284E-02	7.0559E+00	1.3230E+05	4.3904E+02
2.9281E+01	6.0324E-02	6.6212E+00	1.2415E+05	4.2343E+02
3.0360E+01	5.6367E-02	6.1869E+00	1.1601E+05	4.0838E+02
3.1710E+01	5.0816E-02	5.5776E+00	1.0458E+05	3.9099E+02
3.3059E+01	4.6876E-02	5.1452E+00	9.6474E+04	3.7504E+02
3.4736E+01	4.1346E-02	4.5382E+00	8.5093E+04	3.5693E+02
3.6163E+01	3.8216E-02	4.1946E+00	7.8651E+04	3.4285E+02
3.7724E+01	3.5901E-02	3.9405E+00	7.3886E+04	3.2866E+02
3.8997E+01	3.2761E-02	3.5959E+00	6.7424E+04	3.1793E+02
4.0000E+01	2.8000E-02	3.0733E+00	5.7626E+04	3.0996E+02
4.1000E+01	2.6600E-02	2.9196E+00	5.4745E+04	3.0240E+02
4.2000E+01	2.4700E-02	2.7111E+00	5.0834E+04	2.9520E+02
4.3000E+01	2.3100E-02	2.5355E+00	4.7541E+04	2.8834E+02
4.4000E+01	2.2500E-02	2.4696E+00	4.6307E+04	2.8178E+02
4.5000E+01	2.1100E-02	2.3160E+00	4.3425E+04	2.7552E+02
4.6000E+01	2.0200E-02	2.2172E+00	4.1573E+04	2.6953E+02
4.7000E+01	1.9200E-02	2.1074E+00	3.9515E+04	2.6380E+02
4.8000E+01	1.8600E-02	2.0416E+00	3.8280E+04	2.5830E+02
4.9000E+01	1.7500E-02	1.9208E+00	3.6016E+04	2.5303E+02
5.0000E+01	1.6800E-02	1.8440E+00	3.4576E+04	2.4797E+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)
5.1000E+01	1.6200E-02	1.7781E+00	3.3341E+04	2.4311E+02
5.2000E+01	1.4900E-02	1.6354E+00	3.0665E+04	2.3843E+02
5.3000E+01	1.4700E-02	1.6135E+00	3.0254E+04	2.3393E+02
5.4000E+01	1.4600E-02	1.6025E+00	3.0048E+04	2.2960E+02
5.5000E+01	1.3300E-02	1.4598E+00	2.7372E+04	2.2543E+02
5.6000E+01	1.3100E-02	1.4379E+00	2.6961E+04	2.2140E+02
5.7000E+01	1.2400E-02	1.3610E+00	2.5520E+04	2.1752E+02
5.8000E+01	1.2200E-02	1.3391E+00	2.5108E+04	2.1377E+02
5.9000E+01	1.1100E-02	1.2183E+00	2.2845E+04	2.1014E+02
6.0000E+01	1.0600E-02	1.1635E+00	2.1816E+04	2.0664E+02
6.1000E+01	1.0700E-02	1.1744E+00	2.2021E+04	2.0325E+02
6.2000E+01	1.0400E-02	1.1415E+00	2.1404E+04	1.9997E+02
6.3000E+01	9.6000E-03	1.0537E+00	1.9757E+04	1.9680E+02
6.4000E+01	9.7000E-03	1.0647E+00	1.9963E+04	1.9373E+02
6.5000E+01	8.9000E-03	9.7687E-01	1.8317E+04	1.9074E+02
6.6000E+01	8.8000E-03	9.6590E-01	1.8111E+04	1.8785E+02
6.7000E+01	8.8000E-03	9.6590E-01	1.8111E+04	1.8505E+02
6.8000E+01	8.3000E-03	9.1102E-01	1.7082E+04	1.8233E+02
6.9000E+01	8.3000E-03	9.1102E-01	1.7082E+04	1.7969E+02
7.0000E+01	7.7000E-03	8.4516E-01	1.5847E+04	1.7712E+02
7.1000E+01	7.4000E-03	8.1223E-01	1.5230E+04	1.7463E+02
7.2000E+01	7.5000E-03	8.2321E-01	1.5436E+04	1.7220E+02
7.3000E+01	7.3000E-03	8.0126E-01	1.5024E+04	1.6984E+02
7.4000E+01	6.5000E-03	7.1345E-01	1.3377E+04	1.6755E+02
7.6000E+01	6.6000E-03	7.2442E-01	1.3583E+04	1.6314E+02
7.8000E+01	6.0000E-03	6.5857E-01	1.2348E+04	1.5895E+02
8.0000E+01	6.0000E-03	6.5857E-01	1.2348E+04	1.5498E+02
8.2000E+01	5.4000E-03	5.9271E-01	1.1114E+04	1.5120E+02
8.4000E+01	5.6000E-03	6.1466E-01	1.1525E+04	1.4760E+02
8.6000E+01	5.0000E-03	5.4880E-01	1.0290E+04	1.4417E+02
8.8000E+01	4.7000E-03	5.1588E-01	9.6729E+03	1.4089E+02
9.0000E+01	4.5000E-03	4.9392E-01	9.2613E+03	1.3776E+02
9.2000E+01	4.3000E-03	4.7197E-01	8.8497E+03	1.3477E+02
9.4000E+01	4.1000E-03	4.5002E-01	8.4381E+03	1.3190E+02
9.6000E+01	3.5000E-03	3.8416E-01	7.2032E+03	1.2915E+02
9.8000E+01	3.8000E-03	4.1709E-01	7.8207E+03	1.2651E+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)
1.0000E+02	3.2000E-03	3.5124E-01	6.5858E+03	1.2398E+02
1.0050E+02	3.9000E-03	4.2807E-01	8.0265E+03	1.2337E+02
1.0100E+02	3.7000E-03	4.0612E-01	7.6149E+03	1.2276E+02
1.0188E+02	4.2454E-03	4.6597E-01	8.7373E+03	1.2170E+02
1.0205E+02	7.0411E-03	7.7283E-01	1.4491E+04	1.2149E+02
1.0225E+02	1.5118E-02	1.6593E+00	3.1113E+04	1.2126E+02
1.0241E+02	2.3608E-02	2.5912E+00	4.8587E+04	1.2107E+02
1.0246E+02	2.6715E-02	2.9323E+00	5.4981E+04	1.2101E+02
1.0251E+02	2.8889E-02	3.1709E+00	5.9456E+04	1.2095E+02
1.0257E+02	3.1063E-02	3.4095E+00	6.3930E+04	1.2088E+02
1.0266E+02	3.3238E-02	3.6482E+00	6.8406E+04	1.2077E+02
1.0273E+02	3.6344E-02	3.9892E+00	7.4799E+04	1.2069E+02
1.0282E+02	4.2143E-02	4.6256E+00	8.6733E+04	1.2058E+02
1.0294E+02	5.0220E-02	5.5122E+00	1.0336E+05	1.2044E+02
1.0300E+02	5.6122E-02	6.1600E+00	1.1550E+05	1.2037E+02
1.0304E+02	5.8710E-02	6.4441E+00	1.2083E+05	1.2033E+02
1.0313E+02	6.1298E-02	6.7282E+00	1.2616E+05	1.2022E+02
1.0320E+02	5.9228E-02	6.5009E+00	1.2189E+05	1.2014E+02
1.0328E+02	5.5500E-02	6.0917E+00	1.1422E+05	1.2005E+02
1.0336E+02	5.1358E-02	5.6371E+00	1.0570E+05	1.1995E+02
1.0343E+02	4.9391E-02	5.4212E+00	1.0165E+05	1.1987E+02
1.0357E+02	4.8045E-02	5.2734E+00	9.8879E+04	1.1971E+02
1.0365E+02	4.6181E-02	5.0688E+00	9.5043E+04	1.1962E+02
1.0381E+02	3.7069E-02	4.0688E+00	7.6291E+04	1.1943E+02
1.0392E+02	2.9200E-02	3.2050E+00	6.0096E+04	1.1931E+02
1.0402E+02	2.4126E-02	2.6481E+00	4.9652E+04	1.1919E+02
1.0417E+02	1.7292E-02	1.8980E+00	3.5588E+04	1.1902E+02
1.0441E+02	1.0872E-02	1.1933E+00	2.2375E+04	1.1875E+02
1.0450E+02	8.6980E-03	9.5470E-01	1.7901E+04	1.1865E+02
1.0466E+02	6.8340E-03	7.5011E-01	1.4065E+04	1.1846E+02
1.0472E+02	7.7659E-03	8.5239E-01	1.5983E+04	1.1840E+02
1.0481E+02	1.6877E-02	1.8525E+00	3.4735E+04	1.1829E+02
1.0484E+02	2.3194E-02	2.5458E+00	4.7734E+04	1.1826E+02
1.0489E+02	3.0235E-02	3.3187E+00	6.2226E+04	1.1820E+02
1.0494E+02	3.2824E-02	3.6028E+00	6.7553E+04	1.1815E+02
1.0499E+02	2.9614E-02	3.2505E+00	6.0948E+04	1.1809E+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)
1.0505E+02	2.1331E-02	2.3413E+00	4.3900E+04	1.1802E+02
1.0512E+02	1.7914E-02	1.9662E+00	3.6867E+04	1.1795E+02
1.0526E+02	1.8017E-02	1.9776E+00	3.7080E+04	1.1779E+02
1.0534E+02	1.9984E-02	2.1935E+00	4.1129E+04	1.1770E+02
1.0540E+02	2.8578E-02	3.1368E+00	5.8816E+04	1.1763E+02
1.0544E+02	3.5723E-02	3.9210E+00	7.3520E+04	1.1759E+02
1.0548E+02	3.7276E-02	4.0915E+00	7.6717E+04	1.1754E+02
1.0550E+02	3.5826E-02	3.9323E+00	7.3733E+04	1.1752E+02
1.0554E+02	3.0650E-02	3.3641E+00	6.3079E+04	1.1748E+02
1.0562E+02	2.0916E-02	2.2958E+00	4.3047E+04	1.1739E+02
1.0565E+02	1.9673E-02	2.1594E+00	4.0489E+04	1.1735E+02
1.0571E+02	1.9467E-02	2.1367E+00	4.0064E+04	1.1729E+02
1.0573E+02	2.2158E-02	2.4321E+00	4.5603E+04	1.1726E+02
1.0579E+02	2.4230E-02	2.6595E+00	4.9867E+04	1.1720E+02
1.0582E+02	2.1848E-02	2.3981E+00	4.4965E+04	1.1717E+02
1.0588E+02	1.8846E-02	2.0685E+00	3.8786E+04	1.1710E+02
1.0591E+02	1.9052E-02	2.0912E+00	3.9211E+04	1.1707E+02
1.0600E+02	2.7025E-02	2.9663E+00	5.5619E+04	1.1697E+02
1.0604E+02	2.9096E-02	3.1936E+00	5.9881E+04	1.1692E+02
1.0607E+02	2.8268E-02	3.1027E+00	5.8177E+04	1.1689E+02
1.0615E+02	2.1020E-02	2.3071E+00	4.3260E+04	1.1680E+02
1.0617E+02	1.8949E-02	2.0799E+00	3.8998E+04	1.1678E+02
1.0624E+02	1.7292E-02	1.8980E+00	3.5588E+04	1.1670E+02
1.0627E+02	1.7292E-02	1.8980E+00	3.5588E+04	1.1667E+02
1.0630E+02	2.0294E-02	2.2275E+00	4.1767E+04	1.1664E+02
1.0639E+02	2.3298E-02	2.5572E+00	4.7949E+04	1.1654E+02
1.0645E+02	2.1537E-02	2.3640E+00	4.4325E+04	1.1647E+02
1.0656E+02	1.8535E-02	2.0344E+00	3.8146E+04	1.1635E+02
1.0668E+02	2.2366E-02	2.4549E+00	4.6031E+04	1.1622E+02
1.0676E+02	2.0399E-02	2.2390E+00	4.1982E+04	1.1613E+02
1.0685E+02	1.8638E-02	2.0457E+00	3.8358E+04	1.1604E+02
1.0689E+02	1.9777E-02	2.1707E+00	4.0702E+04	1.1599E+02
1.0699E+02	2.1331E-02	2.3413E+00	4.3900E+04	1.1588E+02
1.0710E+02	2.0191E-02	2.2162E+00	4.1555E+04	1.1576E+02
1.0719E+02	1.8535E-02	2.0344E+00	3.8146E+04	1.1567E+02
1.0726E+02	1.9467E-02	2.1367E+00	4.0064E+04	1.1559E+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)
1.0734E+02	1.9777E-02	2.1707E+00	4.0702E+04	1.1551E+02
1.0761E+02	1.8638E-02	2.0457E+00	3.8358E+04	1.1522E+02
1.0781E+02	1.9052E-02	2.0912E+00	3.9211E+04	1.1500E+02
1.0800E+02	1.8327E-02	2.0116E+00	3.7718E+04	1.1480E+02
1.0950E+02	2.3200E-02	2.5465E+00	4.7747E+04	1.1323E+02
1.1000E+02	2.3300E-02	2.5574E+00	4.7953E+04	1.1271E+02
1.1050E+02	2.3600E-02	2.5904E+00	4.8570E+04	1.1220E+02
1.1100E+02	2.3800E-02	2.6123E+00	4.8982E+04	1.1170E+02
1.1150E+02	2.4600E-02	2.7001E+00	5.0629E+04	1.1120E+02
1.1200E+02	2.5600E-02	2.8099E+00	5.2687E+04	1.1070E+02
1.1250E+02	2.6200E-02	2.8757E+00	5.3921E+04	1.1021E+02
1.1300E+02	2.6100E-02	2.8648E+00	5.3716E+04	1.0972E+02
1.1350E+02	2.7100E-02	2.9745E+00	5.5774E+04	1.0924E+02
1.1400E+02	2.7100E-02	2.9745E+00	5.5774E+04	1.0876E+02
1.1450E+02	2.7600E-02	3.0294E+00	5.6803E+04	1.0828E+02
1.1500E+02	2.8100E-02	3.0843E+00	5.7832E+04	1.0781E+02
1.1550E+02	2.8700E-02	3.1501E+00	5.9067E+04	1.0735E+02
1.1600E+02	2.9000E-02	3.1831E+00	5.9684E+04	1.0688E+02
1.1650E+02	2.9500E-02	3.2379E+00	6.0713E+04	1.0642E+02
1.1700E+02	3.0200E-02	3.3148E+00	6.2154E+04	1.0597E+02
1.1750E+02	3.0500E-02	3.3477E+00	6.2771E+04	1.0552E+02
1.1800E+02	3.1300E-02	3.4355E+00	6.4418E+04	1.0507E+02
1.1850E+02	3.2400E-02	3.5563E+00	6.6682E+04	1.0463E+02
1.1900E+02	3.2600E-02	3.5782E+00	6.7093E+04	1.0419E+02
1.1950E+02	3.3000E-02	3.6221E+00	6.7916E+04	1.0375E+02
1.2000E+02	3.3500E-02	3.6770E+00	6.8945E+04	1.0332E+02
1.2100E+02	3.4600E-02	3.7977E+00	7.1209E+04	1.0247E+02
1.2200E+02	3.5300E-02	3.8746E+00	7.2650E+04	1.0163E+02
1.2300E+02	3.6200E-02	3.9733E+00	7.4502E+04	1.0080E+02
1.2400E+02	3.7000E-02	4.0612E+00	7.6149E+04	9.9987E+01
1.2500E+02	3.7700E-02	4.1380E+00	7.7589E+04	9.9187E+01
1.2600E+02	3.8300E-02	4.2038E+00	7.8824E+04	9.8400E+01
1.2700E+02	3.9200E-02	4.3026E+00	8.0676E+04	9.7625E+01
1.2800E+02	3.9200E-02	4.3026E+00	8.0676E+04	9.6863E+01
1.2900E+02	3.9900E-02	4.3795E+00	8.2117E+04	9.6112E+01
1.3000E+02	4.0000E-02	4.3904E+00	8.2323E+04	9.5372E+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)
1.3100E+02	4.1100E-02	4.5112E+00	8.4587E+04	9.4644E+01
1.3200E+02	4.0500E-02	4.4453E+00	8.3352E+04	9.3927E+01
1.3300E+02	4.0700E-02	4.4673E+00	8.3764E+04	9.3221E+01
1.3400E+02	4.1200E-02	4.5222E+00	8.4793E+04	9.2526E+01
1.3500E+02	4.1400E-02	4.5441E+00	8.5204E+04	9.1840E+01
1.3600E+02	4.0200E-02	4.4124E+00	8.2734E+04	9.1165E+01
1.3700E+02	4.0500E-02	4.4453E+00	8.3352E+04	9.0499E+01
1.3800E+02	4.0200E-02	4.4124E+00	8.2734E+04	8.9844E+01
1.3900E+02	4.0400E-02	4.4343E+00	8.3146E+04	8.9197E+01
1.4000E+02	3.9900E-02	4.3795E+00	8.2117E+04	8.8560E+01
1.4100E+02	4.0000E-02	4.3904E+00	8.2323E+04	8.7932E+01
1.4200E+02	3.9500E-02	4.3356E+00	8.1294E+04	8.7313E+01
1.4300E+02	3.9400E-02	4.3246E+00	8.1088E+04	8.6702E+01
1.4400E+02	3.8400E-02	4.2148E+00	7.9030E+04	8.6100E+01
1.4500E+02	3.8800E-02	4.2587E+00	7.9853E+04	8.5506E+01
1.4600E+02	3.8500E-02	4.2258E+00	7.9236E+04	8.4921E+01
1.4700E+02	3.8400E-02	4.2148E+00	7.9030E+04	8.4343E+01
1.4800E+02	3.7500E-02	4.1160E+00	7.7178E+04	8.3773E+01
1.4900E+02	3.7300E-02	4.0941E+00	7.6766E+04	8.3211E+01
1.5000E+02	3.7300E-02	4.0941E+00	7.6766E+04	8.2656E+01
1.5100E+02	3.7400E-02	4.1051E+00	7.6972E+04	8.2109E+01
1.5200E+02	3.7400E-02	4.1051E+00	7.6972E+04	8.1569E+01
1.5300E+02	3.7800E-02	4.1490E+00	7.7795E+04	8.1035E+01
1.5400E+02	3.8200E-02	4.1929E+00	7.8618E+04	8.0509E+01
1.5500E+02	4.0100E-02	4.4014E+00	8.2529E+04	7.9990E+01
1.5600E+02	4.0300E-02	4.4234E+00	8.2940E+04	7.9477E+01
1.5700E+02	3.8800E-02	4.2587E+00	7.9853E+04	7.8971E+01
1.5800E+02	3.9500E-02	4.3356E+00	8.1294E+04	7.8471E+01
1.5900E+02	3.8200E-02	4.1929E+00	7.8618E+04	7.7977E+01
1.6000E+02	3.8000E-02	4.1709E+00	7.8207E+04	7.7490E+01
1.6100E+02	3.8200E-02	4.1929E+00	7.8618E+04	7.7009E+01
1.6200E+02	3.6600E-02	4.0173E+00	7.5325E+04	7.6533E+01
1.6300E+02	3.7300E-02	4.0941E+00	7.6766E+04	7.6064E+01
1.6400E+02	3.6200E-02	3.9733E+00	7.4502E+04	7.5600E+01
1.6500E+02	3.6500E-02	4.0063E+00	7.5120E+04	7.5142E+01
1.6600E+02	3.5900E-02	3.9404E+00	7.3885E+04	7.4689E+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)
1.6700E+02	3.6100E-02	3.9624E+00	7.4296E+04	7.4242E+01
1.6800E+02	3.5100E-02	3.8526E+00	7.2238E+04	7.3800E+01
1.6900E+02	3.5700E-02	3.9185E+00	7.3473E+04	7.3363E+01
1.7000E+02	3.5000E-02	3.8416E+00	7.2032E+04	7.2932E+01
1.7100E+02	3.4600E-02	3.7977E+00	7.1209E+04	7.2505E+01
1.7200E+02	3.4700E-02	3.8087E+00	7.1415E+04	7.2084E+01
1.7300E+02	3.4100E-02	3.7428E+00	7.0180E+04	7.1667E+01
1.7400E+02	3.4300E-02	3.7648E+00	7.0592E+04	7.1255E+01
1.7500E+02	3.3800E-02	3.7099E+00	6.9563E+04	7.0848E+01
1.7600E+02	3.3600E-02	3.6880E+00	6.9151E+04	7.0446E+01
1.7700E+02	3.3300E-02	3.6550E+00	6.8534E+04	7.0048E+01
1.7800E+02	3.2900E-02	3.6111E+00	6.7711E+04	6.9654E+01
1.7900E+02	3.2000E-02	3.5124E+00	6.5858E+04	6.9265E+01
1.8000E+02	3.2700E-02	3.5892E+00	6.7299E+04	6.8880E+01
1.8200E+02	3.1700E-02	3.4794E+00	6.5241E+04	6.8123E+01
1.8400E+02	3.2200E-02	3.5343E+00	6.6270E+04	6.7383E+01
1.8600E+02	3.1000E-02	3.4026E+00	6.3800E+04	6.6658E+01
1.8800E+02	3.1100E-02	3.4136E+00	6.4006E+04	6.5949E+01
1.9000E+02	3.0600E-02	3.3587E+00	6.2977E+04	6.5255E+01
1.9200E+02	3.0100E-02	3.3038E+00	6.1948E+04	6.4575E+01
1.9400E+02	2.9700E-02	3.2599E+00	6.1125E+04	6.3909E+01
1.9600E+02	2.8900E-02	3.1721E+00	5.9478E+04	6.3257E+01
1.9800E+02	2.8700E-02	3.1501E+00	5.9067E+04	6.2618E+01
2.0000E+02	2.8100E-02	3.0843E+00	5.7832E+04	6.1992E+01
2.0200E+02	2.7800E-02	3.0514E+00	5.7214E+04	6.1378E+01
2.0400E+02	2.7900E-02	3.0623E+00	5.7420E+04	6.0777E+01
2.0600E+02	2.6900E-02	2.9526E+00	5.5362E+04	6.0186E+01
2.0800E+02	2.6700E-02	2.9306E+00	5.4951E+04	5.9608E+01
2.1000E+02	2.6600E-02	2.9196E+00	5.4745E+04	5.9040E+01
2.1200E+02	2.5700E-02	2.8209E+00	5.2892E+04	5.8483E+01
2.1400E+02	2.6100E-02	2.8648E+00	5.3716E+04	5.7937E+01
2.1600E+02	2.5600E-02	2.8099E+00	5.2687E+04	5.7400E+01
2.1800E+02	2.4900E-02	2.7330E+00	5.1246E+04	5.6873E+01
2.2000E+02	2.3900E-02	2.6233E+00	4.9188E+04	5.6356E+01
2.2200E+02	2.3400E-02	2.5684E+00	4.8159E+04	5.5849E+01
2.2400E+02	2.4100E-02	2.6452E+00	4.9600E+04	5.5350E+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)
2.2600E+02	2.3700E-02	2.6013E+00	4.8776E+04	5.4860E+01
2.2800E+02	2.3400E-02	2.5684E+00	4.8159E+04	5.4379E+01
2.3000E+02	2.3300E-02	2.5574E+00	4.7953E+04	5.3906E+01
2.3200E+02	2.2000E-02	2.4147E+00	4.5278E+04	5.3441E+01
2.3400E+02	2.2000E-02	2.4147E+00	4.5278E+04	5.2985E+01
2.3600E+02	2.1800E-02	2.3928E+00	4.4866E+04	5.2536E+01
2.3800E+02	2.1500E-02	2.3599E+00	4.4249E+04	5.2094E+01
2.4000E+02	2.1800E-02	2.3928E+00	4.4866E+04	5.1660E+01
2.4200E+02	2.1100E-02	2.3160E+00	4.3425E+04	5.1233E+01
2.4400E+02	2.1300E-02	2.3379E+00	4.3837E+04	5.0813E+01
2.4600E+02	1.9900E-02	2.1842E+00	4.0956E+04	5.0400E+01
2.4800E+02	2.0400E-02	2.2391E+00	4.1985E+04	4.9994E+01
2.5000E+02	2.0200E-02	2.2172E+00	4.1573E+04	4.9594E+01
2.5200E+02	1.9300E-02	2.1184E+00	3.9721E+04	4.9200E+01
2.5400E+02	1.9900E-02	2.1842E+00	4.0956E+04	4.8813E+01
2.5600E+02	1.9500E-02	2.1403E+00	4.0132E+04	4.8431E+01
2.5800E+02	1.9300E-02	2.1184E+00	3.9721E+04	4.8056E+01
2.6000E+02	1.8600E-02	2.0416E+00	3.8280E+04	4.7686E+01
2.6400E+02	1.8200E-02	1.9976E+00	3.7457E+04	4.6964E+01
2.6800E+02	1.8100E-02	1.9867E+00	3.7251E+04	4.6263E+01
2.7200E+02	1.7700E-02	1.9428E+00	3.6428E+04	4.5582E+01
2.7600E+02	1.6500E-02	1.8111E+00	3.3958E+04	4.4922E+01
2.8000E+02	1.6500E-02	1.8111E+00	3.3958E+04	4.4280E+01
2.8400E+02	1.6300E-02	1.7891E+00	3.3547E+04	4.3656E+01
2.8800E+02	1.5200E-02	1.6684E+00	3.1283E+04	4.3050E+01
2.9200E+02	1.6100E-02	1.7672E+00	3.3135E+04	4.2460E+01
2.9600E+02	1.5000E-02	1.6464E+00	3.0871E+04	4.1887E+01
3.0000E+02	1.4700E-02	1.6135E+00	3.0254E+04	4.1328E+01
3.0400E+02	1.4100E-02	1.5476E+00	2.9019E+04	4.0784E+01
3.0800E+02	1.4400E-02	1.5806E+00	2.9636E+04	4.0255E+01
3.1200E+02	1.4200E-02	1.5586E+00	2.9225E+04	3.9739E+01
3.1600E+02	1.4300E-02	1.5696E+00	2.9430E+04	3.9236E+01
3.2000E+02	1.3300E-02	1.4598E+00	2.7372E+04	3.8745E+01
3.2400E+02	1.3200E-02	1.4488E+00	2.7167E+04	3.8267E+01
3.2800E+02	1.3300E-02	1.4598E+00	2.7372E+04	3.7800E+01
3.3200E+02	1.3100E-02	1.4379E+00	2.6961E+04	3.7345E+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)
3.3600E+02	1.1100E-02	1.2183E+00	2.2845E+04	3.6900E+01
3.4000E+02	1.1900E-02	1.3062E+00	2.4491E+04	3.6466E+01
3.4400E+02	1.1200E-02	1.2293E+00	2.3050E+04	3.6042E+01
3.4800E+02	1.1000E-02	1.2074E+00	2.2639E+04	3.5628E+01
3.5000E+02	9.7000E-03	1.0647E+00	1.9963E+04	3.5424E+01
4.0000E+02	6.5935E-03	7.2371E-01	1.3570E+04	3.0996E+01
4.5000E+02	4.9747E-03	5.4603E-01	1.0238E+04	2.7552E+01
5.0000E+02	3.8495E-03	4.2252E-01	7.9225E+03	2.4797E+01
6.0000E+02	2.4501E-03	2.6892E-01	5.0424E+03	2.0664E+01
7.0000E+02	1.6619E-03	1.8241E-01	3.4203E+03	1.7712E+01
8.0000E+02	1.1835E-03	1.2991E-01	2.4358E+03	1.5498E+01
9.0000E+02	8.5832E-04	9.4210E-02	1.7665E+03	1.3776E+01
1.0000E+03	6.5596E-04	7.1999E-02	1.3500E+03	1.2398E+01
1.2500E+03	3.6904E-04	4.0506E-02	7.5950E+02	9.9187E+00
1.5000E+03	2.2570E-04	2.4773E-02	4.6451E+02	8.2656E+00
1.7500E+03	1.4574E-04	1.5997E-02	2.9995E+02	7.0848E+00
1.8400E+03	1.2580E-04	1.3808E-02	2.5890E+02	6.7383E+00
1.8404E+03	7.7501E-04	8.5066E-02	1.5950E+03	6.7368E+00
1.8406E+03	8.6044E-04	9.4443E-02	1.7708E+03	6.7361E+00
1.8409E+03	9.8250E-04	1.0784E-01	2.0221E+03	6.7350E+00
1.8414E+03	1.6965E-03	1.8621E-01	3.4914E+03	6.7331E+00
1.8416E+03	2.6302E-03	2.8869E-01	5.4131E+03	6.7324E+00
1.8418E+03	3.7469E-03	4.1126E-01	7.7114E+03	6.7317E+00
1.8421E+03	4.1374E-03	4.5413E-01	8.5151E+03	6.7306E+00
1.8424E+03	4.3572E-03	4.7825E-01	8.9674E+03	6.7295E+00
1.8426E+03	4.2534E-03	4.6685E-01	8.7537E+03	6.7288E+00
1.8430E+03	3.5577E-03	3.9050E-01	7.3220E+03	6.7273E+00
1.8432E+03	2.8741E-03	3.1547E-01	5.9152E+03	6.7266E+00
1.8434E+03	2.6852E-03	2.9473E-01	5.5263E+03	6.7258E+00
1.8437E+03	2.5934E-03	2.8466E-01	5.3374E+03	6.7247E+00
1.8440E+03	2.8255E-03	3.1013E-01	5.8151E+03	6.7237E+00
1.8442E+03	2.9109E-03	3.1950E-01	5.9908E+03	6.7229E+00
1.8444E+03	2.8194E-03	3.0946E-01	5.8025E+03	6.7222E+00
1.8446E+03	2.2213E-03	2.4381E-01	4.5716E+03	6.7215E+00
1.8447E+03	2.0687E-03	2.2706E-01	4.2576E+03	6.7211E+00
1.8450E+03	1.9894E-03	2.1836E-01	4.0943E+03	6.7200E+00

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)
1.8456E+03	2.1480E-03	2.3577E-01	4.4208E+03	6.7178E+00
1.8458E+03	2.1725E-03	2.3845E-01	4.4711E+03	6.7171E+00
1.8484E+03	2.1359E-03	2.3443E-01	4.3957E+03	6.7076E+00
1.8489E+03	2.1236E-03	2.3309E-01	4.3706E+03	6.7058E+00
1.8507E+03	2.0687E-03	2.2706E-01	4.2576E+03	6.6993E+00
1.8524E+03	2.1359E-03	2.3443E-01	4.3957E+03	6.6932E+00
1.8529E+03	2.1480E-03	2.3577E-01	4.4208E+03	6.6914E+00
1.8541E+03	2.1053E-03	2.3108E-01	4.3329E+03	6.6870E+00
1.8546E+03	2.0992E-03	2.3041E-01	4.3204E+03	6.6852E+00
1.8555E+03	2.0382E-03	2.2372E-01	4.1948E+03	6.6820E+00
1.8561E+03	2.0138E-03	2.2104E-01	4.1445E+03	6.6798E+00
1.8570E+03	2.0504E-03	2.2505E-01	4.2199E+03	6.6766E+00
1.8576E+03	2.0687E-03	2.2706E-01	4.2576E+03	6.6744E+00
1.8586E+03	2.0565E-03	2.2573E-01	4.2325E+03	6.6708E+00
1.8597E+03	2.0565E-03	2.2573E-01	4.2325E+03	6.6669E+00
1.8607E+03	2.0260E-03	2.2238E-01	4.1697E+03	6.6633E+00
1.8616E+03	2.0260E-03	2.2238E-01	4.1697E+03	6.6601E+00
1.8630E+03	1.9894E-03	2.1836E-01	4.0943E+03	6.6551E+00
1.8645E+03	1.9406E-03	2.1300E-01	3.9939E+03	6.6497E+00
1.8652E+03	1.9467E-03	2.1367E-01	4.0064E+03	6.6472E+00
1.8663E+03	1.9039E-03	2.0898E-01	3.9185E+03	6.6433E+00
1.8673E+03	1.8918E-03	2.0764E-01	3.8934E+03	6.6398E+00
1.8689E+03	1.8551E-03	2.0362E-01	3.8180E+03	6.6341E+00
1.8713E+03	1.8185E-03	1.9960E-01	3.7426E+03	6.6256E+00
1.8720E+03	1.8063E-03	1.9826E-01	3.7175E+03	6.6231E+00
2.0000E+03	1.4568E-03	1.5990E-01	2.9983E+03	6.1992E+00
2.2500E+03	1.0374E-03	1.1387E-01	2.1351E+03	5.5104E+00
2.5000E+03	7.6617E-04	8.4095E-02	1.5768E+03	4.9594E+00
2.7500E+03	5.8252E-04	6.3938E-02	1.1989E+03	4.5085E+00
3.0000E+03	4.5357E-04	4.9785E-02	9.3349E+02	4.1328E+00
3.5000E+03	2.9107E-04	3.1948E-02	5.9904E+02	3.5424E+00
4.0000E+03	1.9810E-04	2.1744E-02	4.0770E+02	3.0996E+00
4.5000E+03	1.4102E-04	1.5478E-02	2.9023E+02	2.7552E+00
5.0000E+03	1.0401E-04	1.1416E-02	2.1406E+02	2.4797E+00
6.0000E+03	6.1378E-05	6.7369E-03	1.2632E+02	2.0664E+00
7.0000E+03	3.9274E-05	4.3107E-03	8.0828E+01	1.7712E+00

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)
8.0000E+03	2.6671E-05	2.9274E-03	5.4890E+01	1.5498E+00
9.0000E+03	1.8957E-05	2.0807E-03	3.9015E+01	1.3776E+00
1.0000E+04	1.3638E-05	1.4969E-03	2.8067E+01	1.2398E+00
1.2500E+04	6.9334E-06	7.6102E-04	1.4269E+01	9.9187E-01
1.5000E+04	3.9902E-06	4.3797E-04	8.2121E+00	8.2656E-01
1.7500E+04	2.5013E-06	2.7455E-04	5.1479E+00	7.0848E-01
2.0000E+04	1.6692E-06	1.8321E-04	3.4354E+00	6.1992E-01
2.2500E+04	1.1684E-06	1.2824E-04	2.4046E+00	5.5104E-01
2.5000E+04	8.4914E-07	9.3203E-05	1.7476E+00	4.9594E-01
2.7500E+04	6.3421E-07	6.9611E-05	1.3052E+00	4.5085E-01
3.0000E+04	4.8330E-07	5.3048E-05	9.9467E-01	4.1328E-01
3.5000E+04	2.9842E-07	3.2755E-05	6.1417E-01	3.5424E-01
4.0000E+04	1.9623E-07	2.1539E-05	4.0386E-01	3.0996E-01
4.5000E+04	1.3471E-07	1.4786E-05	2.7724E-01	2.7552E-01
5.0000E+04	9.6218E-08	1.0561E-05	1.9802E-01	2.4797E-01
6.0000E+04	5.3747E-08	5.8993E-06	1.1061E-01	2.0664E-01
7.0000E+04	3.2855E-08	3.6063E-06	6.7619E-02	1.7712E-01
8.0000E+04	2.1455E-08	2.3550E-06	4.4157E-02	1.5498E-01
9.0000E+04	1.4734E-08	1.6173E-06	3.0324E-02	1.3776E-01
1.0000E+05	1.0528E-08	1.1555E-06	2.1667E-02	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

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

Here Z_c denotes the atomic number of constituent atoms and E is photon energy in eV.

The quantity χ is given by

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

where $E_K = 13.6$ and 1847.42 eV for hydrogen and silicon atoms, respectively.

