|            | Complementary Error Function Q(x) |                          |                        |                          |                        |                          |                          |                        |                          |                        |
|------------|-----------------------------------|--------------------------|------------------------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|--------------------------|------------------------|
| v          | 0.00                              | 0.01                     | 0.02                   | 0.02                     | 0.04                   | 0.05                     | 0.06                     | 0.07                   | 0.00                     | 0.00                   |
| 0.0        | 0.00<br>5.000E-01                 | <b>0.01</b><br>4.960E-01 | 4.920E-01              | <b>0.03</b><br>4.880E-01 | 4.840E-01              | <b>0.05</b><br>4.801E-01 | <b>0.06</b><br>4.761E-01 | 0.07<br>4.721E-01      | <b>0.08</b><br>4.681E-01 | 0.09<br>4.641E-01      |
| 0.1        | 4.602E-01                         | 4.562E-01                | 4.522E-01              | 4.483E-01                | 4.443E-01              | 4.404E-01                | 4.364E-01                | 4.325E-01              | 4.286E-01                | 4.247E-01              |
| 0.2        | 4.207E-01                         | 4.168E-01                | 4.129E-01              | 4.090E-01                | 4.052E-01              | 4.013E-01                | 3.974E-01                | 3.936E-01              | 3.897E-01                | 3.859E-01              |
| 0.3        | 3.821E-01                         | 3.783E-01                | 3.745E-01              | 3.707E-01                | 3.669E-01              | 3.632E-01                | 3.594E-01                | 3.557E-01              | 3.520E-01                | 3.483E-01              |
| 0.4        | 3.446E-01                         | 3.409E-01                | 3.372E-01              | 3.336E-01                | 3.300E-01              | 3.264E-01                | 3.228E-01                | 3.192E-01              | 3.156E-01                | 3.121E-01              |
| 0.5        | 3.085E-01<br>2.743E-01            | 3.050E-01<br>2.709E-01   | 3.015E-01<br>2.676E-01 | 2.981E-01<br>2.643E-01   | 2.946E-01<br>2.611E-01 | 2.912E-01<br>2.578E-01   | 2.877E-01<br>2.546E-01   | 2.843E-01<br>2.514E-01 | 2.810E-01<br>2.483E-01   | 2.776E-01<br>2.451E-01 |
| 0.6        | 2.420E-01                         | 2.709E-01                | 2.878E-01              | 2.043E-01<br>2.327E-01   | 2.296E-01              | 2.266E-01                | 2.236E-01                | 2.206E-01              | 2.463E-01<br>2.177E-01   | 2.45TE-01<br>2.148E-01 |
| 0.8        | 2.119E-01                         | 2.090E-01                | 2.061E-01              | 2.033E-01                | 2.005E-01              | 1.977E-01                | 1.949E-01                | 1.922E-01              | 1.894E-01                | 1.867E-01              |
| 0.9        | 1.841E-01                         | 1.814E-01                | 1.788E-01              | 1.762E-01                | 1.736E-01              | 1.711E-01                | 1.685E-01                | 1.660E-01              | 1.635E-01                | 1.611E-01              |
| 1.0        | 1.587E-01                         | 1.562E-01                | 1.539E-01              | 1.515E-01                | 1.492E-01              | 1.469E-01                | 1.446E-01                | 1.423E-01              | 1.401E-01                | 1.379E-01              |
| 1.1        | 1.357E-01                         | 1.335E-01                | 1.314E-01              | 1.292E-01                | 1.271E-01              | 1.251E-01                | 1.230E-01                | 1.210E-01              | 1.190E-01                | 1.170E-01              |
| 1.2        | 1.151E-01<br>9.680E-02            | 1.131E-01<br>9.510E-02   | 1.112E-01<br>9.342E-02 | 1.093E-01<br>9.176E-02   | 1.075E-01<br>9.012E-02 | 1.056E-01<br>8.851E-02   | 1.038E-01<br>8.691E-02   | 1.020E-01<br>8.534E-02 | 1.003E-01<br>8.379E-02   | 9.853E-02<br>8.226E-02 |
| 1.4        | 8.076E-02                         | 7.927E-02                | 7.780E-02              | 7.636E-02                | 7.493E-02              | 7.353E-02                | 7.215E-02                | 7.078E-02              | 6.944E-02                | 6.811E-02              |
| 1.5        | 6.681E-02                         | 6.552E-02                | 6.426E-02              | 6.301E-02                | 6.178E-02              | 6.057E-02                | 5.938E-02                | 5.821E-02              | 5.705E-02                | 5.592E-02              |
| 1.6        | 5.480E-02                         | 5.370E-02                | 5.262E-02              | 5.155E-02                | 5.050E-02              | 4.947E-02                | 4.846E-02                | 4.746E-02              | 4.648E-02                | 4.551E-02              |
| 1.7        | 4.457E-02                         | 4.363E-02                | 4.272E-02              | 4.182E-02                | 4.093E-02              | 4.006E-02                | 3.920E-02                | 3.836E-02              | 3.754E-02                | 3.673E-02              |
| 1.8        | 3.593E-02                         | 3.515E-02                | 3.438E-02              | 3.362E-02                | 3.288E-02              | 3.216E-02                | 3.144E-02                | 3.074E-02              | 3.005E-02                | 2.938E-02              |
| 1.9<br>2.0 | 2.872E-02<br>2.275E-02            | 2.807E-02<br>2.222E-02   | 2.743E-02<br>2.169E-02 | 2.680E-02<br>2.118E-02   | 2.619E-02<br>2.068E-02 | 2.559E-02<br>2.018E-02   | 2.500E-02<br>1.970E-02   | 2.442E-02<br>1.923E-02 | 2.385E-02<br>1.876E-02   | 2.330E-02<br>1.831E-02 |
| 2.1        | 1.786E-02                         | 1.743E-02                | 1.700E-02              | 1.659E-02                | 1.618E-02              | 1.578E-02                | 1.539E-02                | 1.500E-02              | 1.463E-02                | 1.426E-02              |
| 2.2        | 1.390E-02                         | 1.355E-02                | 1.321E-02              | 1.287E-02                | 1.255E-02              | 1.222E-02                | 1.191E-02                | 1.160E-02              | 1.130E-02                | 1.101E-02              |
| 2.3        | 1.072E-02                         | 1.044E-02                | 1.017E-02              | 9.903E-03                | 9.642E-03              | 9.387E-03                | 9.137E-03                | 8.894E-03              | 8.656E-03                | 8.424E-03              |
| 2.4        | 8.198E-03                         | 7.976E-03                | 7.760E-03              | 7.549E-03                | 7.344E-03              | 7.143E-03                | 6.947E-03                | 6.756E-03              | 6.569E-03                | 6.387E-03              |
| 2.5        | 6.210E-03                         | 6.037E-03                | 5.868E-03              | 5.703E-03                | 5.543E-03              | 5.386E-03                | 5.234E-03                | 5.085E-03              | 4.940E-03                | 4.799E-03              |
| 2.6        | 4.661E-03                         | 4.527E-03<br>3.364E-03   | 4.396E-03<br>3.264E-03 | 4.269E-03                | 4.145E-03<br>3.072E-03 | 4.025E-03<br>2.980E-03   | 3.907E-03<br>2.890E-03   | 3.793E-03              | 3.681E-03<br>2.718E-03   | 3.573E-03              |
| 2.7        | 3.467E-03<br>2.555E-03            | 2.477E-03                | 2.401E-03              | 3.167E-03<br>2.327E-03   | 2.256E-03              | 2.960E-03<br>2.186E-03   | 2.118E-03                | 2.803E-03<br>2.052E-03 | 1.988E-03                | 2.635E-03<br>1.926E-03 |
| 2.9        | 1.866E-03                         | 1.807E-03                | 1.750E-03              | 1.695E-03                | 1.641E-03              | 1.589E-03                | 1.538E-03                | 1.489E-03              | 1.441E-03                | 1.395E-03              |
| 3.0        | 1.350E-03                         | 1.306E-03                | 1.264E-03              | 1.223E-03                | 1.183E-03              | 1.144E-03                | 1.107E-03                | 1.070E-03              | 1.035E-03                | 1.001E-03              |
| 3.1        | 9.676E-04                         | 9.354E-04                | 9.043E-04              | 8.740E-04                | 8.447E-04              | 8.164E-04                | 7.888E-04                | 7.622E-04              | 7.364E-04                | 7.114E-04              |
| 3.2        | 6.871E-04                         | 6.637E-04                | 6.410E-04              | 6.190E-04                | 5.976E-04              | 5.770E-04                | 5.571E-04                | 5.377E-04              | 5.190E-04                | 5.009E-04              |
| 3.3        | 4.834E-04<br>3.369E-04            | 4.665E-04<br>3.248E-04   | 4.501E-04<br>3.131E-04 | 4.342E-04<br>3.018E-04   | 4.189E-04<br>2.909E-04 | 4.041E-04<br>2.803E-04   | 3.897E-04<br>2.701E-04   | 3.758E-04<br>2.602E-04 | 3.624E-04<br>2.507E-04   | 3.495E-04<br>2.415E-04 |
| 3.4        | 2.326E-04                         | 2.241E-04                | 2.158E-04              | 2.078E-04                | 2.909E-04<br>2.001E-04 | 1.926E-04                | 1.854E-04                | 1.785E-04              | 1.718E-04                | 1.653E-04              |
| 3.6        | 1.591E-04                         | 1.531E-04                | 1.473E-04              | 1.417E-04                | 1.363E-04              | 1.311E-04                | 1.261E-04                | 1.213E-04              | 1.166E-04                | 1.121E-04              |
| 3.7        | 1.078E-04                         | 1.036E-04                | 9.961E-05              | 9.574E-05                | 9.201E-05              | 8.842E-05                | 8.496E-05                | 8.162E-05              | 7.841E-05                | 7.532E-05              |
| 3.8        | 7.235E-05                         | 6.948E-05                | 6.673E-05              | 6.407E-05                | 6.152E-05              | 5.906E-05                | 5.669E-05                | 5.442E-05              | 5.223E-05                | 5.012E-05              |
| 3.9        | 4.810E-05                         | 4.615E-05                | 4.427E-05              | 4.247E-05                | 4.074E-05              | 3.908E-05                | 3.747E-05                | 3.594E-05              | 3.446E-05                | 3.304E-05              |
| 4.0<br>4.1 | 3.167E-05<br>2.066E-05            | 3.036E-05<br>1.978E-05   | 2.910E-05<br>1.894E-05 | 2.789E-05<br>1.814E-05   | 2.673E-05<br>1.737E-05 | 2.561E-05<br>1.662E-05   | 2.454E-05<br>1.591E-05   | 2.351E-05<br>1.523E-05 | 2.252E-05<br>1.458E-05   | 2.157E-05<br>1.395E-05 |
| 4.1        | 1.335E-05                         | 1.277E-05                | 1.222E-05              | 1.168E-05                | 1.118E-05              | 1.069E-05                | 1.022E-05                | 9.774E-06              | 9.345E-06                | 8.934E-06              |
| 4.3        | 8.540E-06                         | 8.163E-06                | 7.801E-06              | 7.455E-06                | 7.124E-06              | 6.807E-06                | 6.503E-06                | 6.212E-06              | 5.934E-06                | 5.668E-06              |
| 4.4        | 5.413E-06                         | 5.169E-06                | 4.935E-06              | 4.712E-06                | 4.498E-06              | 4.294E-06                | 4.098E-06                | 3.911E-06              | 3.732E-06                | 3.561E-06              |
| 4.5        | 3.398E-06                         | 3.241E-06                | 3.092E-06              | 2.949E-06                | 2.813E-06              | 2.682E-06                | 2.558E-06                | 2.439E-06              | 2.325E-06                | 2.216E-06              |
| 4.6        | 2.112E-06                         | 2.013E-06                | 1.919E-06              | 1.828E-06                | 1.742E-06              | 1.660E-06                | 1.581E-06                | 1.506E-06              | 1.434E-06                | 1.366E-06              |
| 4.7<br>4.8 | 1.301E-06<br>7.933E-07            | 1.239E-06<br>7.547E-07   | 1.179E-06<br>7.178E-07 | 1.123E-06<br>6.827E-07   | 1.069E-06<br>6.492E-07 | 1.017E-06<br>6.173E-07   | 9.680E-07<br>5.869E-07   | 9.211E-07<br>5.580E-07 | 8.765E-07<br>5.304E-07   | 8.339E-07<br>5.042E-07 |
| 4.9        | 4.792E-07                         | 4.554E-07                | 4.327E-07              | 4.111E-07                | 3.906E-07              | 3.711E-07                | 3.525E-07                | 3.348E-07              | 3.179E-07                | 3.019E-07              |
| 5.0        | 2.867E-07                         | 2.722E-07                | 2.584E-07              | 2.452E-07                | 2.328E-07              | 2.209E-07                | 2.096E-07                | 1.989E-07              | 1.887E-07                | 1.790E-07              |
| 5.1        | 1.698E-07                         | 1.611E-07                | 1.528E-07              | 1.449E-07                | 1.374E-07              | 1.302E-07                | 1.235E-07                | 1.170E-07              | 1.109E-07                | 1.051E-07              |
| 5.2        | 9.964E-08                         | 9.442E-08                | 8.946E-08              | 8.476E-08                | 8.029E-08              | 7.605E-08                | 7.203E-08                | 6.821E-08              | 6.459E-08                | 6.116E-08              |
| 5.3        | 5.790E-08                         | 5.481E-08                | 5.188E-08              | 4.911E-08                | 4.647E-08              | 4.398E-08                | 4.161E-08                | 3.937E-08              | 3.724E-08                | 3.523E-08              |
| 5.4<br>5.5 | 3.332E-08                         | 3.151E-08                | 2.980E-08              | 2.818E-08<br>1.601E-08   | 2.664E-08              | 2.518E-08                | 2.381E-08                | 2.250E-08              | 2.127E-08                | 2.010E-08              |
| 5.6        | 1.899E-08<br>1.072E-08            | 1.794E-08<br>1.012E-08   | 1.695E-08<br>9.548E-09 | 9.010E-09                | 1.512E-08<br>8.503E-09 | 1.428E-08<br>8.022E-09   | 1.349E-08<br>7.569E-09   | 1.274E-08<br>7.140E-09 | 1.203E-08<br>6.735E-09   | 1.135E-08<br>6.352E-09 |
| 5.7        | 5.990E-09                         | 5.649E-09                | 5.326E-09              | 5.022E-09                | 4.734E-09              | 4.462E-09                | 4.206E-09                | 3.964E-09              | 3.735E-09                | 3.519E-09              |
| 5.8        | 3.316E-09                         | 3.124E-09                | 2.942E-09              | 2.771E-09                | 2.610E-09              | 2.458E-09                | 2.314E-09                | 2.179E-09              | 2.051E-09                | 1.931E-09              |
| 5.9        | 1.818E-09                         | 1.711E-09                | 1.610E-09              | 1.515E-09                | 1.425E-09              | 1.341E-09                | 1.261E-09                | 1.186E-09              | 1.116E-09                | 1.049E-09              |
| 6.0        | 9.866E-10                         | 9.276E-10                | 8.721E-10              | 8.198E-10                | 7.706E-10              | 7.242E-10                | 6.806E-10                | 6.396E-10              | 6.009E-10                | 5.646E-10              |