TABLE 8.2³ Q(x)

х	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0000		.4960	.4920	.4880	.4840	.4801	.4761	.4721	.4681	
.1000	.4602	.4562	.4522	.4483	.4443	.4404	.4364	.4325	.4286	.4641
.2000	.4207	.4168	.4129	.4090	.4052	.4013	.3974	.3936		.4247
3000	.3821	.3783	.3745	.3707	.3669	.3632	.3594	.3557	.3897	.3859
4000	.3446	.3409	.3372	.3336	.3300	.3264	.3228	.3192	.3520	.3483
.5000	.3085	.3050	.3015	.2981	.2946	.2912	.2877	.2843	.3156	.3121
.6000	.2743	.2709	.2676	.2643	.2611	.2578	.2546	.2514	.2810	.2776
7000	.2420	.2389	.2358	.2327	.2296	.2266	.2236	.2206	.2483	.2451
8000	.2119	.2090	.2061	.2033	.2005	.1977	.1949	.1922	.2177	.2148
9000	.1841	.1814	.1788	.1762	.1736	.1711	.1685		.1894	.1867
1.000	.1587	.1562	.1539	.1515	.1492	.1469	.1446	.1660	.1635	.1611
1.100	.1357	.1335	.1314	.1292	.1271	.1251	.1230	.1423	.1401	.1379
.200	.1151	.1131	.1112	.1093	.1075	.1056	.1038	.1210	.1190	.1170
.300	.9680E-01			.9176E-01	.9012E-01			.1020	.1003	.9853E-01
.400	.8076E-01	.7927E-01		.7636E-01	.7493E-01	.7353E-01		.8534E-01	.8379E-01	
.500	.6681E-01	.6552E-01		.6301E-01	.6178E-01	.6057E-01		.7078E-01	.6944E-01	
.600	.5480E-01	.5370E-01	.5262E-01	.5155E-01	.5050E-01	.4947E-01		.5821E-01	.5705E-01	
.700	.4457E-01	.4363E-01	.4272E-01	.4182E-01	.4093E-01	.4947E-01		.4746E-01	.4648E-01	
.800	.3593E-01	.3515E-01	.3438E-01	.3362E-01	.3288E-01	.4006E-01	.3920E-01	.3836E-01	.3754E-01	.3673E-01
.900	.2872E-01	.2807E-01	.2743E-01	.2680E-01	.2619E-01		.3144E-01	.3074E-01	.3005E-01	.2938E-01
.000	.2275E-01	.2222E-01	.2169E-01	.2118E-01	.2019E-01	.2559E-01	.2500E-01	.2442E-01	.2385E-01	.2330E-01
.100	.1786E-01	.1743E-01	.1700E-01	.1659E-01		.2018E-01	.1970E-01	.1923E-01	.1876E-01	.1831E-01
200	.1390E-01	.1355E-01	.1321E-01	.1037E-01	.1618E-01	.1578E-01	.1539E-01	.1500E-01	.1463E-01	.1426E-01
.300	.1072E-01	.1044E-01	.1017E-01	.9903E-02	.1255E-01	.1222E-01	.1191E-01	.1160E-01	.1130E-01	.1101E-01
400	.8198E-02	.7976E-02	.7760E-02	.7549E-02	.9642E-02	.9387E-02	.9137E-02	.8894E-02	.8656E-02	.8424E-02
500	.6210E-02	.6037E-02	.5868E-02	.5703E-02	.7344E-02	.7143E-02	.6947E-02	.6756E-02	.6569E-02	.6387E-02
600	.4661E-02	.4527E-02	.4396E-02	.5703E-02		.5386E-02	.5234E-02	.5085E-02	.4940E-02	.4799E-02
700	.3467E-02	.3364E-02	.3264E-02	.4209E-02	.4145E-02	.4025E-02	.3907E-02	.3793E-02	.3681E-02	.3573E-02
800	.2555E-02	.2477E-02	.2401E-02	.2327E-02	.3072E-02	.2980E-02	.2890E-02	.2803E-02	.2718E-02	.2635E-02
900	.1866E-02	.1807E-02	.1750E-02	.1695E-02	.2256E-02	.2186E-02	.2118E-02	.2052E-02	.1988E-02	.1926E-02
000	.1350E-02	.1306E-02	.1750E-02		.1641E-02	.1589E-02	.1538E-02	.1489E-02	.1441E-02	.1395E-02
100	.9676E-03	.9354E-03	.9043E-03	.1223E-02	.1183E-02	.1144E-02	.1107E-02	.1070E-02	.1035E-02	.1001E-02
200	.6871E-03	.6637E-03	.6410E-03	.8740E-03	.8447E-03	.8164E-03	.7888E-03	.7622E-03	.7364E-03	.7114E-03
300	.4834E-03	.4665E-03		.6190E-03	.5976E-03	.5770E-03	.5571E-03	.5377E-03	.5190E-03	.5009E-03
400	.3369E-03	.3248E-03	.4501E-03	.4342E-03	.4189E-03	.4041E-03	.3897E-03	.3758E-03	.3624E-03	.3495E-03
500	.2326E-03	.2241E-03	.3131E-03	.3018E-03	.2909E-03	.2802E-03	.2701E-03	.2602E-03	.2507E-03	.2415E-03
500	.1591E-03		.2158E-03	.2078E-03	.2001E-03	.1926E-03	.1854E-03	.1785E-03	.1718E-03	.1653E-03
700	.1078E-03	.1531E-03 .1036E-03	.1473E-03	.1417E-03	.1363E-03	.1311E-03	.1261E-03	.1213E-03	.1166E-03	.1121E-03
300	.7235E-04		.9961E-04	.9574E-04	.9201E-04	.8842E-04	.8496E-04	.8162E-04	.7841E-04	.7532E-04
900	.4810E-04	.6948E-04	.6673E-04	.6407E-04	.6152E-04	.5906E-04	.5669E-04	.5442E-04	.5223E-04	.5012E-04
000	.3167E-04	.4615E-04	.4427E-04	.4247E-04	.4074E-04	.3908E-04	.3747E-04	.3594E-04	.3446E-04	.3304E-04
00		.3036E-04	.2910E-04	.2789E-04	.2673E-04	.2561E-04	.2454E-04	.2351E-04	.2252E-04	.2157E-04
	.2066E-04	.1978E-04	.1894E-04	.1814E-04	.1737E-04	.1662E-04	.1591E-04	.1523E-04	.1458E-04	.1395E-04
	.1335E-04	.1277E-04	.1222E-04	.1168E-04	.1118E-04	.1069E-04	.1022E-04	.9774E-05	.9345E-05	.8934E-05
	.8540E-05	.8163E-05	.7801E-05	.7455E-05	.7124E-05	.8807E-05	.6503E-05	.6212E-05	.5934E-05	.5668E-05
	.5413E-05	.5169E-05	.4935E-05	.4712E-05	.4498E-05	.4294E-05	.4098E-05	.3911E-05	.3732E-05	.3561E-05
	.3398E-05	.3241E-05	.3092E-05	.2949E-05	.2813E-05	.2682E-05	.2558E-05	.2439E-05	.2325E-05	.2216E-05
	.2112E-05	.2013E-05	.1919E-05	.1828E-05	.1742E-05	.1660E-05	.1581E-05	.1506E-05	.1434E-05	
	.1301E-05	.1239E-05	.1179E-05	.1123E-05	.1069E-05	.1017E-05	.9680E-06	.9211E-06	.8765E-06	.1366E-05
	.7933E-06	.7547E-06	.7178E-06	.6827E-06	.6492E-06	.6173E-06	.5869E-06	.5580E-06	.5304E-06	.8339E-06
	.4792E-06	.4554E-06	.4327E-06	.4111E-06	.3906E-06	.3711E-06	.3525E-06	.3448E-06	.3304E-06	.5042E-06
	.2867E-06	.2722E-06	.2584E-06	.2452E-06	.2328E-06	.2209E-06	.2096E-06	.1989E-06		.3019E-06
00.	.1698E-06	.1611E-06	.1528E-06	.1449E-06	.1374E-06	.1302E-06		.1170E-06	.1887E-06 .1109E-06	.1790E-06

(continued)

Ref. Lathi P Ding, Modern Digital and Analog Comm Systems

TABLE 8.2 Continued

	X	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	_	
5.700 5.700				07 .8946E-	07 8476E	07 20205		·	0.07	0.08	0.09
3.33E-07 3.151E-07 2.998E-07 2.988E-07 2.988E-07 2.088E-07 2.088		.5790E-0	7 .5481E-(07 .6459E-0	7 6116E
1.794E-07 1.794E-07 1.995E-07 1.995E-07 1.995E-07 1.515E-07 1.318E-07 2.329E-07 2.329E-07 2.021E-07 2.021E-07 2.031E-07 2.03		.3332E-0	7 .3151E-(07 .3937E-0		
5.600 1072E-07 1012E-07 9.948E-08 9.010E-08 8.503E-08 8.002E-08 7.509E-08 7.149E-08 7.140E-08 6.735E-08 6.735E-08 6.735E-08 6.735E-08 6.735E-08 6.735E-08 6.735E-08 6.735E-08 6.735E-08 5.326E-08 5.326E-08 5.735E-08 5.735E-08 5.735E-08 5.735E-08 5.326E-08 5.735E-08 5.735E-09 5.735E-08 5.735E-09 5.735E-08 5.735E-09 5.735E-08 5.735E-09 5.735E-08 5.735E-09 5.735E-08 5.735E-09 5.735E-10 5.735E-10 5.73		.1899E-07	7 .1794E-(
5.700 5990E-08 5649E-08 5336E-08 5.032E-08 3.032E-08 7569E-08 710E-08 6.735E-08 3.535E-08 3.535E-09 3.06E-09 3.07E-09 3.07E-09 <th< td=""><td></td><td></td><td>7 .1012E-0</td><td></td><td></td><td></td><td></td><td></td><td>07 .1274E-(</td><td></td><td>_</td></th<>			7 .1012E-0						07 .1274E-(_
3.500 3.134E-08 3.124E-08 2.942E-08 3.71E-08 2.610E-08 3.245E-08 3.241E-08 2.160E-09 3.73E-09 3.73E			.5649E-0		0.00				08 .7140E-0		
5900 1818E-08 1711E-08 1610E-08 1515E-08 4425E-08 2314E-08 2179E-08 2051E-08 1931 6-100 9306E-09 9276E-09 9721E-09 3494E-09 7706E-09 7706E-09 7706E-09 7706E-09 7706E-09 6806E-09 6.000E-09 6.000E-09 6.000E-09 6.000E-09 6.000E-09 4394E-09 4394E-09 4126E-09 7106E-09 7242E-09 6.600E-09 6.000E-09 6.000E-09 6.000E-09 4394E-09 4126E-09 1.007E-09 0.000E-09 3404E-09 330E-09 1.007E-09 1.007E-09 0.009E-09 4314E-09 320E-09 1.007E-0 6.000E-0 480E-01 320E-09 1.007E-0 5593E-10 5255E-10 4900E-10 885E-10 230E-09 1.007E-0 5593E-10 5250E-09 9.41E-0 350E-09 1.007E-0 5593E-10 2500E-10 235E-09 1.00E-00		.3316E-08	.3124E-0						08 .3964E-0		
	5.900	.1818E-08						08 .2314E-(100101
	6.000	.9866E-09	.9276E-0				8 .1341E-	08 .1261E-0			
1.4886-10	6.100	.5303E-09									
6.300 J488E-09 J305E-09 J308E-09 J236E-09 J18SE-09 J077E-00 J009E-09 J805E-09 J805E-10 J805E-09 J805E-10 J805E-10 J805E-09 J805E-10 J805E-09 J805E-09 J805E-10 J805E-10 J805E-09 J805E-10 <	6.200							09 .3637E-0			
6.400	6.300			70012 0			9 .2052E-0	99 .1925E-0			5552
6.500 .4016E-10 .3758E-10 .3515E-10 .389BE-10 .3594E-10 .5593E-10 .5235E-10 .4900E-10 .4586E-10 .4292E-10 6.600 .2056E-10 .1922E-10 .1796E-10 .3588E-10 .3758E-10 .2877E-10 .587E-10 .5235E-10 .2900E-10 .2516E-10 .235E-10 .290E-10 .2516E-10 .235E-10 .290E-10 .2566E-10 .2166E-10 .235E-10 .290E-10 .2566E-10 .2566E-11 .2566E-11 .2566E-11 .2566E-11 .2566E-11 .2566E-11 .2566E-11 .2566E-12 .2566E-12 .2566E-12 .2566E-12 .2566E-12 .2566E-12 .2566E-12 .2576E-12	6.400										.1587E-0
	6.500) .5974E-1() .5593E-1				.8294E-1
1.68E-10							.2877E-1				.4292E-1
5.600 5.231E-11 4880E-11 4850E-11 4880E-11 4880E-11 4880E-11 4880E-11 4880E-11 3480E-11 343E-11 343E-11 3210E-11 293E-11 2790E 1700E 1700E 180E-11 1192E-11 1109E-11 1033E-11 961E-12 433E-11 3210E-11 1585E-11 1476E-11 1374E 1777E-12 1777E-12 1669E-12 3700E 1777E-12 1777E-12 1669E-12 3240E 1700E 1777E-12 1669E-12 1550E 1700E 1777E-12 1777E-12 1669E-12 1550E 1700E 1777E-12 1777E-12 1669E-12 1550E 1770E											.2199E-1
							.7392E-1				.1116E-10
7.000						.3960E-11					.5607E-1
7.100											.2790E-1
					.1033E-11						.1374E-1
7.300 1439E-12 .1336E-12 .1240E-12 .1151E-12 .2243E-12 .2084E-12 .1935E-12 .1797E-12 .1669E-12 .1550E-14 .1550E-14 .1550E-14 .1550E-14 .2550E-13 .2739E-13 .2537E-13 .2537E-13 .2537E-13 .2537E-13 .2537E-13 .2537E-13 .2537E-13 .2015E-13 .1791E-12 .1669E-13 .7341E-13 .7341E-13 .1370E-13 .2956E-13 .2739E-13 .2537E-13 .2350E-13 .2176E-13 .2015E-13 .1600E-14 .2700E-14 .2859E-14 .2859E-14 .2439E-14 .2439E-14 .2243E-14 .2439E-14 .2243E-14 .2439E-14 .2253E-14 .2253E-14 .2253E-14 .2080E-14 .2859E-14 .1287E-14 .1188E-14 .1096E-14 .1011E-14 .9326E-15 .3800E-17 .3531E-15 .2331E-15					.5018E-12			. · -			.6706E-13
1.74 1.75				.2599E-12	.2415E-12					.3486E-12	.3240E-12
					.1151E-12						.1550E-12
1.70							1667E 12		.8531E-13		.7341E-13
1481E-13 1370E-13 1268E-13 1174E-13 1086E-13 1086E-13 1096E-13 1086E-13 1096E-13 1096E-13 1096E-13 1096E-14 1096E-14 1188E-14 1188E-14 1188E-14 1188E-14 1188E-14 1188E-14 1188E-14 1188E-14 1188E-14 1188E-15 1196E-15				.2739E-13			2174E 13			.3716E-13	.3444E-13
.800			.1370E-13	.1268E-13			-21/0E-13		.1866E-13	.1728E-13	.1600E-13
.3005E-14 .2859E-14 .2641E-14 .2439E-14 .2235E-14 .2080E-14 .1921E-14 .3024E-14 .3626E-14 .3350E-14 .900 .1395E-14 .1287E-14 .1188E-14 .1096E-14 .1011E-14 .9326E-15 .6602E-15 .7337E-15 .6747E-15 .6747E-15 </td <td></td> <td></td> <td></td> <td>.5816E-14</td> <td></td> <td></td> <td>1005E-13</td> <td></td> <td></td> <td></td> <td></td>				.5816E-14			1005E-13				
1.000			.2859E-14	.2641E-14			.4393E-14		.3924E-14		
.6221E-15			.1287E-14	.1188E-14						.1637E-14	
.100 .2/448E-15 .2531E-15 .2331E-15 .2146E-15 .1976E-15 .1820E-15 .1820E-15 .3515E-15 .3238E-15 .2983E-15 .200 .1202E-15 .1106E-15 .1018E-15 .9361E-16 .8611E-16 .1820E-15 .1675E-15 .1542E-15 .1419E-15 .1306E-16 .400 .2232E-16 .2050E-16 .1882E-16 .4042E-16 .3715E-16 .3413E-16 .3136E-16 .2881E-16 .266E-16 .659E-17 .500 .9480E-17 .8697E-17 .7978E-17 .7317E-17 .6711E-17 .6154E-17 .5643E-17 .544E-16 .1227E-16 .1227E-16 .1227E-16 .1236E-16 .038E-17 .800 .6841E-18 .6257E-18 .5723E-18 .5234E-18 .4786E-18 .4376E-18 .8933E-18 .8174E-18 .7478E-18 .748E-18 .900 .129E-18 .1030E-18 .9404E-19 .8584E-19 .3425E-19 .3123E-19 .3123E-19 .5951E-19 .5429E-19 .4952E-19 .900 .1790E-19 .1631E-19 .1486		5221E-15	.5735E-15						.7934E-15		
1202E-15			.2531E-15					.3815E-15	.3515E-15		
.3206E-16			.1106E-15		9361E 16			.1675E-15	.1542E-15		
400 .2232E-16 .2050E-16 .1882E-16 .1728E-16 .3413E-16 .3136E-16 .2881E-16 .2646E-16 .2431E-16 500 .9480E-17 .8697E-17 .7978E-17 .7978E-17 .7317E-17 .6711E-17 .6711E-17 .5643E-17 .5174E-17 .4744E-17 .4348E-1 600 .3986E-17 .355E-17 .3348E-17 .3068E-17 .2811E-17 .2575E-17 .2359E-17 .2161E-17 .4744E-17 .4348E-1 800 .6841E-18 .6257E-18 .5723E-18 .5234E-18 .4786E-18 .4376E-18 .4001E-18 .8933E-18 .8174E-18 .7478E-18 900 .2792E-18 .2552E-18 .2331E-18 .2130E-18 .1946E-18 .177E-18 .4001E-18 .3657E-18 .3343E-18 .3055E-19 900 .1792E-19 .1496E-19 .3455E-19 .3123E-19 .2847E-19 .5255E-19 .5429E-19 .4952E-19 900 .1790E-19 .1631E-19 .1486E-19 .353E-19 .3123E-19 .2847E-19 .2595E-19 .2365E-19 <td>.5 300</td> <td>206E-16</td> <td>.4785E-16</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>.6698E-16</td> <td></td> <td></td>	.5 300	206E-16	.4785E-16						.6698E-16		
500 .9480E-17 .8697E-17 .7978E-17 .7978E-17 .7317E-17 .6711E-17 .6711E-17 .6154E-17 .5643E-17 .5174E-17 .4744E-17 .4348E-17 700 .1659E-17 .1519E-17 .1391E-17 .3068E-17 .2811E-17 .2575E-17 .2359E-17 .2161E-17 .1979E-17 .4348E-1 800 .6841E-18 .6257E-18 .5723E-18 .5234E-18 .4786E-18 .4376E-18 .4901E-18 .8933E-18 .8174E-18 .7478E-18 900 .2792E-18 .2552E-18 .2331E-18 .2130E-18 .4786E-18 .4376E-18 .4001E-18 .3657E-18 .3343E-18 .3055E-19 900 .1792E-19 .1030E-18 .9404E-19 .8584E-19 .7834E-19 .714E-19 .1631E-19 .3455E-19 .3123E-19 .2847E-19 .5951E-19 .5429E-19 .9452E-19 900 .7022E-20 .639E-20 .5817E-20 .5294E-20 .4817E-20 .4382E-20 .3987E-20 .329E-20 .329E-20 .3665E-21 .7864E-21 .7142E-21 <t< td=""><td>400 .2</td><td>232E-16</td><td></td><td></td><td></td><td></td><td></td><td>.3136E-16</td><td></td><td></td><td></td></t<>	400 .2	232E-16						.3136E-16			
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70 ./620E-23 .6888E-23 .6225E-23 .5626E-23 .5626E-23 .5626E-23 .5626E-23 .1140E-22 .1031E-22 .9323E-23 .8429E-23			883E-22 .	1704E-22							
30520E-23 .3084E-23 .4593E-23 .4150E-23 .3749E-23 .386E-23 .3058E-23	∪ .762 	20E-23 .6					1000				

Notes: (1) E-01 should be read as ×10⁻¹; E-02 should be read as ×10⁻², and so on.
(2) This table lists Q(x) for x in the range of 0 to 10 in the increments of 0.01. To find Q(5.36), for example, look up the row starting with x = 5.3. The sixth entry in this row (under 0.06) is the desired value 0.4161 × 10⁻⁷.