

TABLE

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RANDOM NUMBERS

51772	74640	42331	29044	46621	62898	93582	04186	19640	87056
24033	23491	83587	06568	21960	21387	76105	10863	97453	90581
45939	60173	52078	25424	11645	55870	56974	37428	93507	94271
30586	02133	75797	45406	31041	86707	12973	17169	88116	42187
03585	79353	81938	82322	96799	85659	36081	50884	14070	74950
64937	03355	95863	20790	65304	55189	00745	65253	11822	15804
15630	64759	51135	98527	62586	41889	25439	88036	24034	67283
09448	56301	57683	30277	94623	85418	68829	06652	41982	49159
21631	91157	77331	60710	52290	16835	48653	71590	16159	14676
91097	17480	29414	06829	87843	28195	27279	47152	35683	47280
50532	25496	95652	42457	73547	76552	50020	24819	52984	76168
07136	40876	79971	54195	25708	51817	36732	72484	94923	75936
27989	64728	10744	08396	56242	90985	28868	99431	50995	20507
85184	73949	36601	46253	00477	25234	09908	36574	72139	70185
54398	21154	97810	36764	32869	11785	55261	59009	38714	38723
65544	34371	09591	07839	58892	92843	72828	91341	84821	63886
08263	65952	85762	64236	39238	18776	84303	99247	46149	03229
39817	67906	48236	16057	81812	15815	63700	85915	19219	45943
62257	04077	79443	95203	02479	30763	92486	54083	23631	05825
53298	90276	62545	21944	16530	03878	07516	95715	02526	33537

5 4.58
7 2.85

Index of Special Symbols and Notations

The following list shows special symbols and notations used in this book together with pages on which they are defined or first appear. Cases where a symbol has more than one meaning will be clear from the context.

Symbols

$\text{Ber}_n(x), \text{Bei}_n(x)$	140
$B(m, n)$	beta function, 103
B_n	Bernoulli numbers, 114
$C(x)$	Fresnel cosine integral, 184
$Ci(x)$	cosine integral, 184
e	natural base of logarithms, 1
$\mathbf{e}_1, \mathbf{e}_2, \mathbf{e}_3$	unit vectors in curvilinear coordinates, 124
$\text{erf}(x)$	error function, 183
$\text{erfc}(x)$	complementary error function, 183
$E = E(k, \pi/2)$	complete elliptic integral of second kind, 179
$E(k, \phi)$	incomplete elliptic integral of second kind, 179
$Ei(x)$	exponential integral, 183
E_n	Euler numbers, 114
$F(a, b; c; x)$	hypergeometric function, 160
$F(k, \phi)$	incomplete elliptic integral of first kind, 179
$\mathcal{F}, \mathcal{F}^{-1}$	Fourier transform and inverse Fourier transform, 175, 176
h_1, h_2, h_3	scale factors in curvilinear coordinates, 124
$H_n(x)$	Hermite polynomials, 151
$H_n^{(1)}(x), H_n^{(2)}(x)$	Hankel functions of first and second kind, 138
i	imaginary unit, 21
$\mathbf{i}, \mathbf{j}, \mathbf{k}$	unit vectors in rectangular coordinates, 117
$I_n(x)$	modified Bessel function of first kind, 138
$J_n(x)$	Bessel function of first kind, 136
$K = F(k, \pi/2)$	complete elliptic integral of first kind, 179
$\text{Ker}_n(x), \text{Kei}_n(x)$	140
$K_n(x)$	modified Bessel function of second kind, 139
$\ln x$ or $\log_e x$	natural logarithm of x , 24
$\log x$ or $\log_{10} x$	common logarithm of x , 23
$L_n(x)$	Laguerre polynomials, 153
$L_n^m(x)$	associated Laguerre polynomials, 155
$\mathcal{L}, \mathcal{L}^{-1}$	Laplace transform and inverse Laplace transform, 161
$P_n(x)$	Legendre polynomials, 146
$P_n^m(x)$	associated Legendre functions of first kind, 149
$Q_n(x)$	Legendre functions of second kind, 148
$Q_n^m(x)$	associated Legendre functions of second kind, 150
r	cylindrical coordinate, 49
r	polar coordinate, 22, 36
r	spherical coordinate, 50
$S(x)$	Fresnel sine integral, 184
$Si(x)$	sine integral, 183
$T_n(x)$	Chebyshev polynomials of first kind, 157
$U_n(x)$	Chebyshev polynomials of second kind, 158
$Y_n(x)$	Bessel function of second kind, 136