

Table 4.15

HYPERBOLIC FUNCTIONS

x	$\sinh x$	$\cosh x$	$\tanh x$	$\coth x$
1.50	2.12927 9455	2.35240 9615	0.90514 825	1.10479 14
1.51	2.15291 0408	2.37382 0386	0.90693 905	1.10260 99
1.52	2.17675 6654	2.39546 8541	0.90869 766	1.10047 60
1.53	2.20082 0577	2.41735 6245	0.91042 459	1.09838 86
1.54	2.22510 4585	2.43948 5686	0.91212 037	1.09634 65
1.55	2.24961 1104	2.46185 9078	0.91378 549	1.09434 87
1.56	2.27434 2587	2.48447 8658	0.91542 046	1.09239 42
1.57	2.29930 1506	2.50734 6688	0.91702 576	1.09048 19
1.58	2.32449 0357	2.53046 5455	0.91860 189	1.08861 09
1.59	2.34991 1658	2.55383 7270	0.92014 933	1.08678 01
1.60	2.37556 7953	2.57746 4471	0.92166 855	1.08498 87
1.61	2.40146 1807	2.60134 9421	0.92316 003	1.08323 58
1.62	2.42759 5809	2.62549 4508	0.92462 422	1.08152 04
1.63	2.45397 2572	2.64990 2146	0.92606 158	1.07984 18
1.64	2.48059 4735	2.67457 4777	0.92747 257	1.07819 90
1.65	2.50746 4959	2.69951 4868	0.92885 762	1.07659 13
1.66	2.53458 5932	2.72472 4912	0.93021 718	1.07501 78
1.67	2.56196 0366	2.75020 7431	0.93155 168	1.07347 77
1.68	2.58959 0998	2.77596 4974	0.93286 155	1.07197 04
1.69	2.61748 0591	2.80200 0115	0.93414 721	1.07049 51
1.70	2.64563 1934	2.82831 5458	0.93540 907	1.06905 10
1.71	2.67404 7843	2.85491 3635	0.93664 754	1.06763 75
1.72	2.70273 1158	2.88179 7306	0.93786 303	1.06625 38
1.73	2.73168 4749	2.90896 9159	0.93905 593	1.06489 93
1.74	2.76091 1511	2.93643 1912	0.94022 664	1.06357 34
1.75	2.79041 4366	2.96418 8310	0.94137 554	1.06227 53
1.76	2.82019 6265	2.99224 1129	0.94250 301	1.06100 46
1.77	2.85026 0186	3.02059 3175	0.94360 942	1.05976 05
1.78	2.88060 9136	3.04924 7283	0.94469 516	1.05854 25
1.79	2.91124 6148	3.07820 6318	0.94576 057	1.05735 01
1.80	2.94217 4288	3.10747 3176	0.94680 601	1.05618 26
1.81	2.97339 6648	3.13705 0785	0.94783 185	1.05503 95
1.82	3.00491 6349	3.16694 2100	0.94883 842	1.05392 02
1.83	3.03673 6545	3.19715 0113	0.94982 608	1.05282 43
1.84	3.06886 0417	3.22767 7844	0.95079 514	1.05175 13
1.85	3.10129 1178	3.25852 8344	0.95174 596	1.05070 05
1.86	3.13403 2071	3.28970 4701	0.95267 884	1.04967 17
1.87	3.16708 6369	3.32121 0031	0.95359 412	1.04866 42
1.88	3.20045 7378	3.35304 7484	0.95449 211	1.04767 76
1.89	3.23414 8436	3.38522 0245	0.95537 312	1.04671 15
1.90	3.26816 2912	3.41773 1531	0.95623 746	1.04576 53
1.91	3.30250 4206	3.45058 4593	0.95708 542	1.04483 88
1.92	3.33717 5754	3.48378 2716	0.95791 731	1.04393 14
1.93	3.37218 1022	3.51732 9220	0.95873 341	1.04304 28
1.94	3.40752 3510	3.55122 7460	0.95953 401	1.04217 25
1.95	3.44320 6754	3.58548 0826	0.96031 939	1.04132 02
1.96	3.47923 4322	3.62009 2743	0.96108 983	1.04048 55
1.97	3.51560 9816	3.65506 6672	0.96184 561	1.03966 79
1.98	3.55233 6874	3.69040 6111	0.96258 698	1.03886 72
1.99	3.58941 9168	3.72611 4594	0.96331 422	1.03808 29
2.00	3.62686 0408	3.76219 5691	0.96402 758	1.03731 47
	$\left[\begin{smallmatrix} (-5)4 \\ 5 \end{smallmatrix} \right]$	$\left[\begin{smallmatrix} (-5)5 \\ 5 \end{smallmatrix} \right]$	$\left[\begin{smallmatrix} (-6)4 \\ 4 \end{smallmatrix} \right]$	$\left[\begin{smallmatrix} (-6)6 \\ 3 \end{smallmatrix} \right]$