

HYPERBOLIC FUNCTIONS

Table 4.15

x	$\sinh x$	$\cosh x$	$\tanh x$	$\coth x$
2.0	3.62686 0408	3.76219 5691	0.96402 75801	1.03731 47207
2.1	4.02185 6742	4.14431 3170	0.97045 19366	1.03044 77350
2.2	4.45710 5171	4.56790 8329	0.97574 31300	1.02485 98932
2.3	4.93696 1806	5.03722 0649	0.98009 63963	1.02030 78022
2.4	5.46622 9214	5.55694 7167	0.98367 48577	1.01659 60756
2.5	6.05020 4481	6.13228 9480	0.98661 42982	1.01356 73098
2.6	6.69473 2228	6.76900 5807	0.98902 74022	1.01109 43314
2.7	7.40626 3106	7.47346 8619	0.99100 74537	1.00907 41460
2.8	8.19191 8354	8.25272 8417	0.99263 15202	1.00742 31773
2.9	9.05956 1075	9.11458 4295	0.99396 31674	1.00607 34973
3.0	10.01787 4927	10.06766 1996	0.99505 47537	1.00496 98233
3.1	11.07645 1040	11.12150 0242	0.99594 93592	1.00406 71152
3.2	12.24588 3997	12.28664 6201	0.99668 23978	1.00332 86453
3.3	13.53787 7877	13.57476 1044	0.99728 29601	1.00272 44423
3.4	14.96536 3389	14.99873 6659	0.99777 49279	1.00223 00341
3.5	16.54262 7288	16.57282 4671	0.99817 78976	1.00182 54285
3.6	18.28545 5361	18.31277 9083	0.99850 79423	1.00149 42872
3.7	20.21129 0417	20.23601 3943	0.99877 82413	1.00122 32532
3.8	22.33940 6861	22.36177 7633	0.99899 95978	1.00100 14040
3.9	24.69110 3597	24.71134 5508	0.99918 08657	1.00081 98059
4.0	27.28991 7197	27.30823 2836	0.99932 92997	1.00067 11504
4.1	30.16185 7461	30.17843 0136	0.99945 08437	1.00054 94581
4.2	33.33566 7732	33.35066 3309	0.99955 03665	1.00044 98358
4.3	36.84311 2570	36.85668 1129	0.99963 18562	1.00036 82794
4.4	40.71929 5663	40.73157 3002	0.99969 85793	1.00030 15116
4.5	45.00301 1152	45.01412 0149	0.99975 32108	1.00024 68501
4.6	49.73713 1903	49.74718 3739	0.99979 79416	1.00020 20992
4.7	54.96903 8588	54.97813 3865	0.99983 45656	1.00016 54618
4.8	60.75109 3886	60.75932 3633	0.99986 45517	1.00013 54666
4.9	67.14116 6551	67.14861 3134	0.99988 91030	1.00011 09093
5.0	74.20321 0578	74.20994 8525	0.99990 92043	1.00009 08040
5.1	82.00790 5277	82.01400 2023	0.99992 56621	1.00007 43434
5.2	90.63336 2655	90.63887 9220	0.99993 91369	1.00006 08668
5.3	100.16590 9190	100.17090 0784	0.99995 01692	1.00004 98333
5.4	110.70094 9812	110.70546 6393	0.99995 92018	1.00004 07998
5.5	122.34392 2746	122.34800 9518	0.99996 65972	1.00003 34040
5.6	135.21135 4781	135.21505 2645	0.99997 26520	1.00002 73488
5.7	149.43202 7501	149.43537 3466	0.99997 76093	1.00002 23912
5.8	165.14826 6177	165.15129 3732	0.99998 16680	1.00001 83323
5.9	182.51736 4210	182.52010 3655	0.99998 49910	1.00001 50092
6.0	201.71315 7370	201.71563 6122	0.99998 77117	1.00001 22885
			$\left[\begin{matrix} (-4)1 \\ 6 \end{matrix} \right]$	$\left[\begin{matrix} (-4)2 \\ 9 \end{matrix} \right]$