

Table 4.17

INVERSE HYPERBOLIC FUNCTIONS

x	$\operatorname{arsinh} x$	$\frac{\operatorname{arcosh} x}{(x^2-1)^{\frac{1}{2}}}$	x	$\operatorname{arsinh} x$	$\frac{\operatorname{arcosh} x}{(x^2-1)^{\frac{1}{2}}}$
1.00	0.88137 3587	1.00000 000	1.50	1.19476 3217	0.86081 788
1.01	0.88842 7007	0.99667 995	1.51	1.20029 7449	0.85849 554
1.02	0.89544 5249	0.99338 621	1.52	1.20580 6263	0.85618 806
1.03	0.90242 8496	0.99011 848	1.53	1.21128 9840	0.85389 528
1.04	0.90937 6928	0.98687 641	1.54	1.21674 8362	0.85161 706
1.05	0.91629 0732	0.98365 968	1.55	1.22218 2008	0.84935 324
1.06	0.92317 0094	0.98046 798	1.56	1.22759 0958	0.84710 368
1.07	0.93001 5204	0.97730 099	1.57	1.23297 5390	0.84486 823
1.08	0.93682 6251	0.97415 841	1.58	1.23833 5478	0.84264 676
1.09	0.94360 3429	0.97103 994	1.59	1.24367 1400	0.84043 913
1.10	0.95034 6930	0.96794 529	1.60	1.24898 3328	0.83824 520
1.11	0.95705 6950	0.96487 415	1.61	1.25427 1436	0.83606 483
1.12	0.96373 3684	0.96182 625	1.62	1.25953 5895	0.83389 788
1.13	0.97037 7331	0.95880 131	1.63	1.26477 6877	0.83174 424
1.14	0.97698 8088	0.95579 904	1.64	1.26999 4549	0.82960 376
1.15	0.98356 6154	0.95281 918	1.65	1.27518 9081	0.82747 632
1.16	0.99011 1729	0.94986 146	1.66	1.28036 0639	0.82536 179
1.17	0.99662 5013	0.94692 561	1.67	1.28550 9389	0.82326 005
1.18	1.00310 6208	0.94401 139	1.68	1.29063 5495	0.82117 097
1.19	1.00955 5514	0.94111 853	1.69	1.29573 9120	0.81909 443
1.20	1.01597 3134	0.93824 678	1.70	1.30082 0427	0.81703 032
1.21	1.02235 9270	0.93539 589	1.71	1.30587 9576	0.81497 850
1.22	1.02871 4123	0.93256 563	1.72	1.31091 6727	0.81293 888
1.23	1.03503 7896	0.92975 576	1.73	1.31593 2038	0.81091 132
1.24	1.04133 0792	0.92696 604	1.74	1.32092 5666	0.80889 572
1.25	1.04759 3013	0.92419 624	1.75	1.32589 7767	0.80689 197
1.26	1.05382 4760	0.92144 613	1.76	1.33084 8496	0.80489 994
1.27	1.06002 6237	0.91871 550	1.77	1.33577 8006	0.80291 954
1.28	1.06619 7645	0.91600 411	1.78	1.34068 6450	0.80095 066
1.29	1.07233 9185	0.91331 175	1.79	1.34557 3978	0.79899 318
1.30	1.07845 1059	0.91063 821	1.80	1.35044 0740	0.79704 701
1.31	1.08453 3467	0.90798 328	1.81	1.35528 6886	0.79511 203
1.32	1.09058 6610	0.90534 676	1.82	1.36011 2562	0.79318 816
1.33	1.09661 0688	0.90272 843	1.83	1.36491 7914	0.79127 527
1.34	1.10260 5899	0.90012 810	1.84	1.36970 3089	0.78937 328
1.35	1.10857 2442	0.89754 557	1.85	1.37446 8228	0.78748 209
1.36	1.11451 0515	0.89498 064	1.86	1.37921 3477	0.78560 160
1.37	1.12042 0317	0.89243 313	1.87	1.38393 8975	0.78373 170
1.38	1.12630 2042	0.88990 284	1.88	1.38864 4863	0.78187 231
1.39	1.13215 5887	0.88738 959	1.89	1.39333 1280	0.78002 334
1.40	1.13798 2046	0.88489 320	1.90	1.39799 8365	0.77818 468
1.41	1.14378 0715	0.88241 348	1.91	1.40264 6254	0.77635 625
1.42	1.14955 2086	0.87995 026	1.92	1.40727 5083	0.77453 796
1.43	1.15529 6351	0.87750 336	1.93	1.41188 4987	0.77272 971
1.44	1.16101 3703	0.87507 261	1.94	1.41647 6099	0.77093 142
1.45	1.16670 4331	0.87265 784	1.95	1.42104 8552	0.76914 300
1.46	1.17236 8425	0.87025 888	1.96	1.42560 2476	0.76736 437
1.47	1.17800 6174	0.86787 557	1.97	1.43013 8002	0.76559 544
1.48	1.18361 7765	0.86550 774	1.98	1.43465 5259	0.76383 612
1.49	1.18920 3384	0.86315 523	1.99	1.43915 4374	0.76208 633
1.50	1.19476 3217	0.86081 788	2.00	1.44363 5475	0.76034 600
	$\left[\begin{smallmatrix} (-6)4 \\ 4 \end{smallmatrix} \right]$	$\left[\begin{smallmatrix} (-6)3 \\ 4 \end{smallmatrix} \right]$		$\left[\begin{smallmatrix} (-6)3 \\ 4 \end{smallmatrix} \right]$	$\left[\begin{smallmatrix} (-6)2 \\ 4 \end{smallmatrix} \right]$