

Section 3.6

Selected Stars from the Hipparcos Catalogue

3.6. Selected Stars from the Hipparcos Catalogue

In this section certain key results from the Hipparcos Catalogue are presented for various sets of stars selected according to a number of criteria.

Table 3.6.1 lists results for the 150 stars closest to the Sun, as deduced from the Hipparcos parallaxes. No criterion was applied to the precision of the individual parallax determinations. The entries in the table are sorted by decreasing parallax (increasing distance).

Table 3.6.2 gives the results for the 150 stars with the largest total proper motions in the Hipparcos Catalogue, again without further selection on precision. Table 3.6.3 gives the results for the 150 stars with the largest total transverse velocity, as deduced from the Hipparcos proper motions and parallaxes. In the latter table, only stars with relative distance precision $\sigma_\pi/\pi < 0.1$ were included. The entries in these tables are sorted by decreasing total proper motion and total transverse velocity, respectively.

For Table 3.6.4, the table with 150 stars with the highest absolute luminosity, the selection was more delicate. Although Hipparcos has determined for each entry at least a lower limit for the distance, and consequently for the luminosity, the inclusion of stars with only such a lower limit in the table was not considered meaningful. The stars in the table meet the two following criteria: (i) relative distance precision $\sigma_\pi/\pi < 0.3$; (ii) absolute magnitude M_V when computed with the 2- σ lower distance limit $1/(\pi + 2\sigma_\pi)$ smaller than -2 mag. The entries are sorted by increasing M_V , i.e. decreasing luminosity.

All four tables give results for the same series of quantities. The successive fields contain:

- (1) the identifier in the Hipparcos Catalogue (the HIP number, Field H1);
- (2) if available, the identifier in the HD Catalogue (the HD number, Field H71);
- (3) the (truncated) right ascension α , in degrees (Field H8);
- (4) the (truncated) declination δ , in degrees (Field H9);
- (5) the visual magnitude V (Field H5);
- (6) the absolute visual magnitude, computed as $M_V = V + 5 \log \pi - 10$, with π in milliarcsec;
- (7) the trigonometric parallax π , in milliarcsec (Field H11);
- (8) the standard error in the trigonometric parallax σ_π , in milliarcsec (Field H16);
- (9) the relative precision of the distance σ_π/π ;
- (10) the total proper motion $|\mu|$ in milliarcsec per year;
- (11) the proper motion in right ascension μ_{α^*} in milliarcsec per year (Field H12);
- (12) the proper motion in declination μ_δ in milliarcsec per year (Field H13);
- (13) the transverse velocity, computed as $V_T = A_V |\mu|/\pi$, in km/s (cf. Equation 1.2.20);
- (14) an asterisk indicating that the star is in the Catalogue of Nearby Stars, 3rd version (CNS3);
- (15) the Bayer/Flamsteed name of the star (as in Volume 13); if not available, a common name (as in Volume 13); if not available, blank.

For the star with a negative parallax value, for which the proper motion value is nevertheless significant, the computed fields using the parallax (absolute magnitude, distance precision, and transverse velocity) are left blank.

Table 3.6.1. The 150 stars in the Hipparcos Catalogue closest to the Sun.

HIP	HD	α	δ	V	M_V	π	σ_π	σ_π/π	$ \mu $	μ_{α^*}	μ_δ	V_T	C	Name
70890		217.449	-62.681	11.01	15.45	772.33	2.42	0.003	3852.99	-3775.64	768.16	23.65	*	α Cen C
71681	128621	219.914	-60.839	1.35	5.70	742.12	1.40	0.002	3724.12	-3600.35	952.11	23.79	*	α^2 Cen
71683	128620	219.920	-60.835	-0.01	4.34	742.12	1.40	0.002	3709.62	-3678.19	481.84	23.70	*	α^1 Cen
87937		269.454	+04.668	9.54	13.24	549.01	1.58	0.003	10357.70	-797.84	10326.93	89.43	*	Barnard's star
54035	95735	165.836	+35.981	7.49	10.46	392.40	0.91	0.002	4802.27	-580.20	-4767.09	58.01	*	
32349	48915	101.289	-16.713	-1.44	1.45	379.21	1.58	0.004	1339.42	-546.01	-1223.08	16.74	*	α CMa
92403		282.454	-23.836	10.37	13.00	336.48	1.82	0.005	665.97	637.55	-192.47	9.38	*	
16537	22049	53.235	-09.458	3.72	6.18	310.75	0.85	0.003	976.61	-976.44	17.97	14.90	*	ϵ Eri
114046	217987	346.447	-35.856	7.35	9.76	303.90	0.87	0.003	6896.07	6767.26	1326.66	107.57	*	
57548		176.934	+00.808	11.12	13.50	299.58	2.20	0.007	1361.36	605.62	-1219.23	21.54	*	
104214	201091	316.712	+38.741	5.20	7.49	287.13	1.51	0.005	5280.65	4155.10	3258.90	87.18	*	61 Cyg A
37279	61421	114.827	+05.228	0.40	2.68	285.93	0.88	0.003	1258.50	-716.57	-1034.58	20.86	*	α CMi
104217	201092	316.717	+38.734	6.05	8.33	285.42	0.72	0.003	5172.40	4107.40	3143.72	85.91	*	61 Cyg B
91772	173740	280.702	+59.622	9.70	11.97	284.48	5.01	0.018	2312.51	-1393.20	1845.73	38.53	*	
91768	173739	280.701	+59.626	8.94	11.18	280.28	2.57	0.009	2237.91	-1326.88	1802.12	37.85	*	
1475	1326	4.586	+44.022	8.09	10.33	280.27	1.05	0.004	2917.95	2888.92	410.58	49.35	*	
108870	209100	330.823	-56.780	4.69	6.89	275.76	0.69	0.003	4703.94	3959.97	-2538.84	80.86	*	ϵ Ind
8102	10700	26.021	-15.940	3.49	5.68	274.17	0.80	0.003	1922.00	-1721.82	854.07	33.23	*	τ Cet
5643		18.125	-17.001	12.10	14.25	269.05	7.57	0.028	1372.17	1210.09	646.95	24.18	*	
36208		111.851	+05.235	9.84	11.94	263.26	1.43	0.005	3738.16	571.27	-3694.25	67.31	*	Luyten's star
24186	33793	77.897	-45.004	8.86	10.89	255.26	0.86	0.003	8670.50	6506.05	-5731.39	161.02	*	Kapteyn's star
105090	202560	319.324	-38.865	6.69	8.71	253.37	1.13	0.004	3454.95	-3259.00	-1146.99	64.64	*	
110893	239960	337.002	+57.697	9.59	11.58	249.52	3.03	0.012	989.56	-870.23	-471.10	18.80	*	Kruger 60
30920		97.346	-02.812	11.12	13.05	242.89	2.64	0.011	930.24	694.73	-618.62	18.16	*	
72511		222.390	-26.106	11.72	13.58	235.24	22.43	0.095	1396.32	-1389.70	135.76	28.14	*	
80824		247.575	-12.660	10.10	11.95	234.51	1.82	0.008	1188.59	-93.61	-1184.90	24.03	*	
439	225213	1.335	-37.352	8.56	10.36	229.33	1.08	0.005	6099.89	5634.07	-2337.94	126.09	*	
15689		50.523	-13.278	12.16	13.94	227.45	61.79	0.272	319.66	-112.94	-299.04	6.66	*	
3829		12.288	+05.395	12.37	14.15	226.95	5.35	0.024	2977.84	1233.05	-2710.56	62.20	*	Van Maanen 2
72509		222.386	-26.111	12.07	13.86	221.80	69.07	0.311	1436.11	-1421.60	-203.60	30.69	*	
86162		264.110	+68.342	9.15	10.87	220.85	0.92	0.004	1309.37	-320.47	-1269.55	28.11	*	
85523		262.164	-46.893	9.38	11.10	220.43	1.63	0.007	1050.15	573.32	-879.84	22.58	*	
114110		346.662	-14.872	12.24	13.92	216.52	18.28	0.084	139.76	112.27	83.24	3.06	*	
57367		176.414	-64.841	11.50	13.18	216.40	2.11	0.010	2687.64	2665.17	-346.83	58.88	*	
113020		343.317	-14.262	10.16	11.80	212.69	2.10	0.010	1174.19	960.33	-675.64	26.17	*	
54211		166.384	+43.524	8.82	10.40	206.94	1.19	0.006	4510.53	-4410.79	943.32	103.32	*	
49908	88230	152.847	+49.455	6.60	8.16	205.22	0.81	0.004	1452.19	-1361.55	-505.00	33.54	*	
82725		253.634	-62.404	11.72	13.26	203.01	29.27	0.144	308.29	254.79	173.56	7.20	*	
85605		262.401	+24.653	11.39	12.92	202.69	39.48	0.195	362.24	97.33	348.92	8.47	*	
106440	204961	323.392	-49.007	8.66	10.19	202.53	1.33	0.007	819.31	-46.18	-818.01	19.18	*	
86214		264.268	-44.317	10.94	12.43	198.32	2.43	0.012	1176.47	-710.11	-937.99	28.12	*	
19849	26965	63.823	-07.645	4.43	5.92	198.24	0.84	0.004	4087.79	-2239.33	-3419.86	97.75	*	σ^2 Eri
112460		341.710	+44.335	10.29	11.77	198.07	2.05	0.010	841.18	-704.66	-459.39	20.13	*	
88601	165341	271.363	+02.502	4.03	5.50	196.62	1.38	0.007	970.68	124.56	-962.66	23.40	*	70 Oph
97649	187642	297.695	+08.867	0.76	2.20	194.44	0.94	0.005	660.92	536.82	385.54	16.11	*	α Aql
1242		3.865	-16.132	11.49	12.90	191.86	17.24	0.090	954.74	728.18	-617.48	23.59	*	
57544		176.913	+78.690	10.80	12.14	185.48	1.43	0.008	884.95	743.21	480.40	22.62	*	
67155	119850	206.428	+14.895	8.46	9.79	184.13	1.27	0.007	2298.14	1778.46	-1455.52	59.17	*	
103039		313.138	-16.975	11.41	12.71	182.15	3.68	0.020	308.24	-306.70	30.78	8.02	*	
21088		67.792	+58.982	10.82	12.11	181.36	3.67	0.020	2426.71	1300.21	-2048.99	63.43	*	
33226	265866	103.706	+33.269	9.89	11.18	181.32	1.87	0.010	831.49	-729.33	-399.31	21.74	*	
53020		162.719	+06.810	11.64	12.89	177.46	23.00	0.130	1141.28	-804.40	-809.60	30.49	*	
25878	36395	82.862	-03.672	7.97	9.19	175.72	1.20	0.007	2227.65	763.05	-2092.89	60.10	*	
82817	152751	253.872	-08.334	9.02	10.23	174.23	3.90	0.022	1208.35	-829.34	-878.81	32.88	*	
96100	185144	293.086	+69.665	4.67	5.87	173.41	0.46	0.003	1838.91	598.43	-1738.81	50.27	*	σ Dra
29295	42581	92.645	-21.863	8.15	9.34	173.19	1.12	0.006	727.09	-137.01	-714.06	19.90	*	
26857		85.534	+12.493	11.56	12.75	172.78	3.88	0.022	2542.26	1999.05	-1570.64	69.75	*	
86990		266.648	-57.316	10.75	11.93	172.08	2.22	0.013	1755.97	-1119.87	-1352.52	48.37	*	
94761	180617	289.232	+05.172	9.12	10.28	170.26	1.37	0.008	1452.07	-578.86	-1331.70	40.43	*	
73184	131977	224.364	-21.411	5.72	6.86	169.32	1.67	0.010	2011.77	1034.18	-1725.60	56.32	*	
37766		116.168	+03.554	11.19	12.32	168.59	2.67	0.016	567.62	-344.87	-450.84	15.96	*	
76074		233.058	-41.273	9.31	10.44	168.52	1.42	0.008	1563.65	-1177.47	-1028.86	43.99	*	
3821	4614	12.271	+57.817	3.46	4.59	167.99	0.62	0.004	1222.71	1087.11	-559.65	34.50	*	η Cas
84478	156026	259.057	-26.543	6.33	7.45	167.56	1.06	0.006	1221.51	-479.71	-1123.37	34.56	*	
117473		357.300	+02.404	8.98	10.10	167.51	1.49	0.009	1388.44	995.12	-968.25	39.29	*	
84405	155885	258.839	-26.600	4.33	5.44	167.08	1.07	0.006	1238.13	-473.69	-1143.93	35.13	*	36 Oph
99461	191408	302.798	-36.097	5.32	6.41	165.24	0.90	0.005	1639.84	456.89	-1574.91	47.04	*	
15510	20794	49.972	-43.072	4.26	5.35	165.02	0.55	0.003	3123.70	3038.08	726.34	89.73	*	ϵ Eri
99240	190248	302.174	-66.179	3.55	4.62	163.73	0.65	0.004	1656.04	1210.29	-1130.34	47.95	*	δ Pav
71253		218.571	-12.521	11.32	12.39	163.51	2.77	0.017	694.24	-357.50	595.12	20.13	*	
86961		266.553	-32.103	10.49	11.53	161.77	11.29	0.070	323.68	-49.82	-319.82	9.48	*	
86963		266.560	-32.102	11.39	12.43	161.77	11.29	0.070	281.05	-77.62	-270.12	8.24	*	
45343	79210	138.601	+52.688	7.64	8.68	161.59	5.23	0.032	1633.59	-1533.58	-562.80	47.92	*	
99701	191849	303.470	-45.164	7.97	9.01	161.17	1.08	0.007	794.37	778.18	-159.55	23.36	*	
116132		352.966	+19.937	10.05	11.07	160.06	2.81	0.018	557.92	554.40	-62.61	16.52	*	

Table 3.6.1. The 150 stars in the Hipparcos Catalogue closest to the Sun (continued).

HIP	HD	α	δ	V	M_V	π	σ_π	σ_π/π	$ \mu $	$\mu_{\alpha*}$	μ_δ	V_T	C	Name
74995		229.865	-07.722	10.57	11.58	159.52	2.27	0.014	1228.59	-1224.55	-99.52	36.51	*	
120005	79211	138.609	+52.688	7.70	8.71	159.48	6.61	0.041	1684.40	-1551.30	-656.25	50.07	*	
84140	155876	258.032	+45.670	9.31	10.31	158.17	3.26	0.021	1624.76	325.96	-1591.73	48.70	*	
34603		107.509	+38.532	11.65	12.63	157.24	3.32	0.021	1045.33	-439.68	-948.36	31.51	*	
54298		166.628	-53.269	11.69	12.65	155.28	78.30	0.504	275.63	-39.50	272.78	8.41	*	
82809		253.857	-08.320	11.73	12.67	153.96	4.04	0.026	1209.62	-813.47	-895.23	37.24	*	
114622	219134	348.311	+57.168	5.57	6.50	153.24	0.65	0.004	2095.24	2074.37	294.97	64.82	*	
80459		246.351	+54.305	10.13	11.04	151.93	1.11	0.007	464.78	432.29	-170.71	14.50	*	
53767		165.019	+22.834	10.03	10.92	150.96	1.59	0.011	510.01	-426.31	-279.94	16.02	*	
72659	131156	222.847	+19.101	4.54	5.41	149.26	0.76	0.005	168.62	152.81	-71.28	5.36	*	ξ Boo
106106		322.401	+17.642	10.33	11.19	148.29	1.85	0.012	1076.00	1008.09	376.21	34.40	*	
114176		346.831	-32.268	12.28	13.13	147.95	13.76	0.093	225.64	-223.58	-30.45	7.23	*	
113296	216899	344.148	+16.554	8.68	9.49	145.27	1.22	0.008	1071.35	-1033.21	-283.33	34.96	*	
84709	156384	259.735	-34.990	5.91	6.69	143.45	17.12	0.119	1152.82	1149.24	-90.80	38.10	*	
103096	199305	313.332	+62.156	8.55	9.31	141.95	0.77	0.005	774.24	1.08	-774.24	25.86	*	
12114	16160	39.016	+06.883	5.79	6.50	138.72	1.04	0.007	2311.58	1806.27	1442.50	78.99	*	
51317		157.233	+00.843	9.65	10.35	138.29	2.13	0.015	947.85	-602.32	-731.87	32.49	*	
83945		257.380	+43.682	11.77	12.47	137.84	8.95	0.065	434.51	333.92	-278.02	14.94	*	
3765	4628	12.094	+05.283	5.74	6.38	134.04	0.86	0.006	1370.04	758.04	-1141.22	48.45	*	
7981	10476	25.625	+20.270	5.24	5.87	133.91	0.91	0.007	741.72	-302.12	-677.40	26.26	*	107 Psc
2021	2151	6.413	-77.255	2.82	3.45	133.78	0.51	0.004	2243.69	2220.12	324.37	79.50	*	β Hyi
73182	131976	224.358	-21.407	8.01	8.64	133.63	33.56	0.251	1937.14	987.05	-1666.81	68.72	*	
12781		41.062	+25.524	10.55	11.16	132.42	2.48	0.019	939.49	864.77	-367.17	33.63	*	
5336	6582	17.054	+54.924	5.17	5.78	132.40	0.60	0.005	3776.76	3421.44	-1599.27	135.22	*	μ Cas
65859		202.496	+10.380	9.05	9.64	131.12	1.29	0.010	1557.72	1128.00	-1074.30	56.32	*	
113283	216803	344.099	-31.565	6.48	7.07	130.94	0.92	0.007	367.16	330.53	-159.86	13.29	*	
61874		190.195	-43.568	12.24	12.82	130.52	3.87	0.030	1045.23	-782.02	693.51	37.96	*	
113368	216956	344.412	-29.622	1.17	1.74	130.08	0.92	0.007	367.90	329.22	-164.22	13.41	*	α PsA
85295	157881	261.440	+02.114	7.54	8.10	129.54	0.95	0.007	1319.36	-580.47	-1184.81	48.28	*	
91262	172167	279.234	+38.783	0.03	0.58	128.93	0.55	0.004	350.77	201.02	287.46	12.90	*	α Lyr
88574	165222	271.280	-03.031	9.37	9.91	128.28	1.44	0.011	660.06	570.14	-332.59	24.39	*	
49986		153.074	-03.745	9.26	9.80	127.99	1.53	0.012	287.03	-152.93	-242.90	10.63	*	
101180		307.631	+65.449	10.54	11.04	125.62	1.11	0.009	526.46	443.25	284.06	19.87	*	
106255		322.825	-09.791	11.96	12.44	124.82	28.85	0.231	1163.06	1161.80	-54.19	44.17	*	
33499		104.448	-44.291	10.81	11.29	124.62	2.64	0.021	1103.07	-1102.25	-42.57	41.96	*	
22449	30652	72.459	+06.961	3.19	3.67	124.60	0.95	0.008	463.59	463.44	11.62	17.64	*	π^3 Ori
80346		246.035	+48.354	10.27	10.74	124.34	1.16	0.009	1231.40	1145.33	-452.28	46.95	*	
89937	170153	275.260	+72.734	3.55	4.02	124.11	0.48	0.004	636.92	531.08	-351.59	24.33	*	χ Dra
86287		264.470	+18.589	9.62	10.07	123.02	1.62	0.013	1351.18	926.83	983.19	52.07	*	
5496		17.593	-67.446	9.80	10.25	122.86	7.53	0.061	691.84	389.20	571.98	26.69	*	
113576	217357	345.070	-22.524	7.88	8.33	122.80	0.94	0.008	906.07	-904.21	58.09	34.98	*	
4856		15.621	+71.681	9.98	10.43	122.77	1.23	0.010	1786.66	1745.69	-380.43	68.99	*	
7751	10360	24.947	-56.196	5.76	6.21	122.75	1.41	0.011	286.58	286.10	16.66	11.07	*	ρ Eri
38956		119.552	+41.305	12.02	12.46	122.53	11.52	0.094	717.25	212.35	-685.10	27.75	*	
76901		235.532	-19.469	11.83	12.26	121.86	43.95	0.361	2282.67	-2032.22	-1039.54	88.80	*	
62452		191.988	+09.753	11.39	11.82	121.78	2.90	0.024	1108.17	-1007.72	-461.01	43.14	*	
93449		285.474	-36.952	11.57	12.00	121.75	68.24	0.560	61.14	-34.36	50.57	2.38	*	
20968		67.437	-29.026	11.42	11.83	120.70	56.47	0.468	289.06	-58.31	-283.12	11.35	*	
31292		98.448	-75.626	11.41	11.80	119.54	13.42	0.112	401.45	-308.79	256.54	15.92	*	
61317	109358	188.438	+41.357	4.24	4.63	119.46	0.83	0.007	763.49	-705.06	292.93	30.30	*	β CVn
86974	161797	266.615	+27.722	3.42	3.80	119.05	0.62	0.005	804.63	-291.42	-750.00	32.04	*	μ Her
80018		245.017	-37.531	10.56	10.92	118.03	2.28	0.019	1230.59	-729.36	991.16	49.42	*	
23452	32450	75.619	-21.256	8.31	8.66	117.38	1.81	0.015	263.07	-141.55	-221.74	10.62	*	
64924	115617	199.604	-18.309	4.74	5.09	117.30	0.71	0.006	1508.75	-1069.90	-1063.78	60.97	*	61 Vir
57802		177.781	+35.271	9.76	10.10	116.92	1.38	0.012	372.77	-271.97	254.93	15.11	*	
1599	1581	5.008	-64.878	4.23	4.56	116.38	0.64	0.005	2067.32	1707.56	1165.36	84.21	*	ζ Tuc
113229		343.950	-75.456	10.42	10.74	116.02	1.33	0.011	1477.26	-1027.28	-1061.60	60.36	*	
93873		286.774	+20.889	10.77	11.09	115.91	2.47	0.021	592.14	-480.82	-345.60	24.22	*	
111802	214479	339.689	-20.621	9.06	9.38	115.71	1.50	0.013	457.60	450.58	-79.86	18.75	*	
27913	39587	88.596	+20.276	4.39	4.70	115.43	1.08	0.009	190.81	-163.17	-98.92	7.84	*	χ^1 Ori
25578		82.001	+09.646	12.48	12.78	115.04	5.22	0.045	783.92	-194.06	-759.52	32.30	*	
32984	50281	103.077	-05.174	6.58	6.88	114.94	0.86	0.007	544.42	-544.41	-3.30	22.45	*	
14559		46.991	-28.221	11.72	12.02	114.73	33.98	0.296	214.04	-156.07	-146.48	8.84	*	
31293		98.433	-75.631	10.35	10.64	114.18	3.18	0.028	402.39	-290.42	278.52	16.71	*	
109388		332.415	-04.641	10.41	10.69	113.97	2.10	0.018	1135.07	1134.90	-19.71	47.21	*	
84720	156274	259.762	-46.637	5.47	5.75	113.81	1.36	0.012	1041.00	1035.25	109.22	43.36	*	
23311	32147	75.203	-05.751	6.22	6.49	113.46	0.82	0.007	1238.49	550.74	-1109.30	51.75	*	
99825	192310	303.819	-27.033	5.73	6.00	113.33	0.89	0.008	1254.54	1241.35	-181.46	52.48	*	
93899	349726	286.806	+20.878	10.76	11.02	112.82	2.41	0.021	585.28	-481.05	-333.38	24.59	*	
60559		186.216	-18.237	11.28	11.54	112.52	2.51	0.022	2554.50	1095.90	-2307.48	107.62	*	
108706		330.304	+28.307	11.99	12.23	111.57	3.19	0.029	373.89	372.11	36.48	15.89	*	
27072	38393	86.117	-22.447	3.59	3.83	111.49	0.60	0.005	470.39	-292.42	-368.45	20.00	*	γ Lep
47103		144.006	-21.658	10.91	11.14	111.41	1.99	0.018	999.00	137.17	-989.54	42.51	*	
56528		173.862	-32.538	9.81	10.03	110.65	1.81	0.016	855.40	-69.85	-852.54	36.65	*	
17378	23249	55.812	-09.765	3.52	3.74	110.58	0.88	0.008	747.87	-91.71	742.23	32.06	*	δ Eri

Table 3.6.2. The 150 stars in the Hipparcos Catalogue with largest proper motions.

HIP	HD	α	δ	V	M_V	π	σ_π	σ_π/π	$ \mu $	μ_{α^*}	μ_δ	V_T	C	Name
87937		269.454	+04.668	9.54	13.24	549.01	1.58	0.003	10357.70	-797.84	10326.93	89.43	*	Barnard's star
24186	33793	77.897	-45.004	8.86	10.89	255.26	0.86	0.003	8670.50	6506.05	-5731.39	161.02	*	Kapteyn's star
57939	103095	178.233	+37.733	6.42	6.61	109.21	0.78	0.007	7058.36	4003.69	-5813.00	306.38	*	Groombr. 1830
114046	217987	346.447	-35.856	7.35	9.76	303.90	0.87	0.003	6896.07	6767.26	1326.66	107.57	*	
439	225213	1.335	-37.352	8.56	10.36	229.33	1.08	0.005	6099.89	5634.07	-2337.94	126.09	*	
67593		207.756	+23.764	13.31	12.72	76.20	107.46	1.410	5834.20	2281.92	5369.43	362.95	*	
104214	201091	316.712	+38.741	5.20	7.49	287.13	1.51	0.005	5280.65	4155.10	3258.90	87.18	*	61 Cyg A
104217	201092	316.717	+38.734	6.05	8.33	285.42	0.72	0.003	5172.40	4107.40	3143.72	85.91	*	61 Cyg B
54035	95735	165.836	+35.981	7.49	10.46	392.40	0.91	0.002	4802.27	-580.20	-4767.09	58.01	*	
108870	209100	330.823	-56.780	4.69	6.89	275.76	0.69	0.003	4703.94	3959.97	-2538.84	80.86	*	ϵ Ind
54211		166.384	+43.524	8.82	10.40	206.94	1.19	0.006	4510.53	-4410.79	943.32	103.32	*	
19849	26965	63.823	-07.645	4.43	5.92	198.24	0.84	0.004	4087.79	-2239.33	-3419.86	97.75	*	θ^2 Eri
70890		217.449	-62.681	11.01	15.45	772.33	2.42	0.003	3852.99	-3775.64	768.16	23.65	*	α Cen C
5336	6582	17.054	+54.924	5.17	5.78	132.40	0.60	0.005	3776.76	3421.44	-1599.27	135.22	*	μ Cas
36208		111.851	+05.235	9.84	11.94	263.26	1.43	0.005	3738.16	571.27	-3694.25	67.31	*	Luyten's star
71681	128621	219.914	-60.839	1.35	5.70	742.12	1.40	0.002	3724.12	-3600.35	952.11	23.79	*	α^2 Cen
71683	128620	219.920	-60.835	-0.01	4.34	742.12	1.40	0.002	3709.62	-3678.19	481.84	23.70	*	α^1 Cen
74234	134440	227.557	-16.454	9.44	7.08	33.68	1.67	0.050	3681.49	-1001.47	-3542.66	518.17	*	
74235	134439	227.557	-16.371	9.07	6.74	34.14	1.36	0.040	3681.02	-998.86	-3542.91	511.12	*	
105090	202560	319.324	-38.865	6.69	8.71	253.37	1.13	0.004	3454.95	-3259.00	-1146.99	64.64	*	
56936		175.083	+67.267	12.20	10.43	44.28	2.83	0.064	3168.11	262.62	-3157.21	339.17	*	
15510	20794	49.972	-43.072	4.26	5.35	165.02	0.55	0.003	3123.70	3038.08	726.34	89.73	*	ϵ Eri
3829		12.288	+05.395	12.37	14.15	226.95	5.35	0.024	2977.84	1233.05	-2710.56	62.20	*	Van Maanen 2
55360		170.038	+65.846	9.31	9.52	109.95	1.11	0.010	2952.47	-2946.70	184.52	127.30	*	
1475	1326	4.586	+44.022	8.09	10.33	280.27	1.05	0.004	2917.95	2888.92	410.58	49.35	*	
55042		169.012	-57.551	11.66	11.17	79.71	2.80	0.035	2732.50	-2465.03	1179.06	162.51	*	
57367		176.414	-64.841	11.50	13.18	216.40	2.11	0.010	2687.64	2665.17	-346.83	58.88	*	
10279		33.092	+03.580	10.04	9.96	96.28	1.80	0.019	2556.23	-1761.07	-1852.82	125.86	*	
60559		186.216	-18.237	11.28	11.54	112.52	2.51	0.022	2554.50	1095.90	-2307.48	107.62	*	
26857		85.534	+12.493	11.56	12.75	172.78	3.88	0.022	2542.26	1999.05	-1570.64	69.75	*	
9560		30.712	+05.708	12.26	10.05	36.17	4.30	0.119	2442.54	2338.67	-704.72	320.12	*	
21088		67.792	+58.982	10.82	12.11	181.36	3.67	0.020	2426.71	1300.21	-2048.99	63.43	*	
91772	173740	280.702	+59.622	9.70	11.97	284.48	5.01	0.018	2312.51	-1393.20	1845.73	38.53	*	
12114	16160	39.016	+06.883	5.79	6.50	138.72	1.04	0.007	2311.58	1806.27	1442.50	78.99	*	
67155	119850	206.428	+14.895	8.46	9.79	184.13	1.27	0.007	2298.14	1778.46	-1455.52	59.17	*	
76901		235.532	-19.469	11.83	12.26	121.86	43.95	0.361	2282.67	-2032.22	-1039.54	88.80	*	
69673	124897	213.918	+19.187	-0.05	-0.31	88.85	0.74	0.008	2278.87	-1093.45	-1999.40	121.59	*	α Boo
2021	2151	6.413	-77.255	2.82	3.45	133.78	0.51	0.004	2243.69	2220.12	324.37	79.50	*	β Hyl
91768	173739	280.701	+59.626	8.94	11.18	280.28	2.57	0.009	2237.91	-1326.88	1802.12	37.85	*	
104059		316.225	-16.954	11.45	10.04	52.26	3.06	0.059	2231.65	-914.54	-2035.65	202.43	*	
25878	36395	82.862	-03.672	7.97	9.19	175.72	1.20	0.007	2227.65	763.05	-2092.89	60.10	*	
18915	25329	60.807	+35.277	8.51	7.18	54.14	1.08	0.020	2205.93	1732.49	-1365.50	193.15	*	
10138	13445	32.600	-50.825	6.12	5.93	91.63	0.61	0.007	2192.74	2092.84	654.32	113.44	*	
104432		317.321	-13.298	10.87	10.45	82.33	2.40	0.029	2117.88	710.44	-1995.17	121.95	*	
114622	219134	348.311	+57.168	5.57	6.50	153.24	0.65	0.004	2095.24	2074.37	294.97	64.82	*	
1599	1581	5.008	-64.878	4.23	4.56	116.38	0.64	0.005	2067.32	1707.56	1165.36	84.21	*	ζ Tuc
23518		75.844	+53.132	9.96	9.23	71.35	1.76	0.025	2015.94	1304.13	-1537.29	133.94	*	
73184	131977	224.364	-21.411	5.72	6.86	169.32	1.67	0.010	2011.77	1034.18	-1725.60	56.32	*	
91668		280.401	+00.925	12.23	9.30	25.98	3.65	0.140	1980.77	50.43	-1980.13	361.42	*	
38541	64090	118.386	+30.610	8.27	6.01	35.29	1.04	0.029	1965.35	705.00	-1834.55	264.00	*	
73182	131976	224.358	-21.407	8.01	8.64	133.63	33.56	0.251	1937.14	987.05	-1666.81	68.72	*	
8102	10700	26.021	-15.940	3.49	5.68	274.17	0.80	0.003	1922.00	-1721.82	854.07	33.23	*	τ Cet
52621		161.418	-19.113	11.03		-7.21	25.22		1900.14	-1804.68	-594.70		*	
67090		206.270	+17.790	9.79	9.21	76.70	1.46	0.019	1886.31	451.03	-1831.59	116.58	*	
94349		288.056	+02.888	11.09	11.06	98.56	2.66	0.027	1863.20	1789.15	-520.07	89.62	*	
48336		147.787	-12.326	10.04	9.36	73.10	22.31	0.305	1848.68	1137.36	-1457.41	119.89	*	
96100	185144	293.086	+69.665	4.67	5.87	173.41	0.46	0.003	1838.91	598.43	-1738.81	50.27	*	σ Dra
67487	120467	207.441	-22.110	8.16	7.40	70.49	1.01	0.014	1817.22	-1748.63	-494.56	122.21	*	
4856		15.621	+71.681	9.98	10.43	122.77	1.23	0.010	1786.66	1745.69	-380.43	68.99	*	
38082		117.065	+20.371	11.46	10.71	70.74	2.66	0.038	1756.65	1451.22	-989.83	117.72	*	
86990		266.648	-57.316	10.75	11.93	172.08	2.22	0.013	1755.97	-1119.87	-1352.52	48.37	*	
2552		8.112	+67.236	10.27	10.24	98.74	3.37	0.034	1753.52	1739.07	-224.63	84.19	*	
37853	63077	116.397	-34.177	5.36	4.45	65.79	0.56	0.009	1736.98	-220.83	1722.89	125.16	*	
4964		15.913	-45.788	11.62	6.54	9.66	17.61	1.823	1734.13	-261.65	-1714.28	850.99	*	
120005	79211	138.609	+52.688	7.70	8.71	159.48	6.61	0.041	1684.40	-1551.30	-656.25	50.07	*	
70865		217.376	+15.529	10.67	9.90	70.06	2.25	0.032	1673.20	-1053.37	1300.01	113.21	*	
99240	190248	302.174	-66.179	3.55	4.62	163.73	0.65	0.004	1656.04	1210.29	-1130.34	47.95	*	δ Pav
79537	145417	243.456	-57.567	7.53	6.84	72.75	0.82	0.011	1649.13	-853.99	-1410.79	107.46	*	
75181	136352	230.457	-48.317	5.65	4.83	68.70	0.79	0.011	1645.86	-1622.71	-275.10	113.57	*	ν^2 Lup
82588	152391	253.247	-00.023	6.65	5.51	59.04	0.87	0.015	1645.54	-711.75	-1483.65	132.12	*	
99461	191408	302.798	-36.097	5.32	6.41	165.24	0.90	0.005	1639.84	456.89	-1574.91	47.04	*	
45343	79210	138.601	+52.688	7.64	8.68	161.59	5.23	0.032	1633.59	-1533.58	-562.80	47.92	*	
84140	155876	258.032	+45.670	9.31	10.31	158.17	3.26	0.021	1624.76	325.96	-1591.73	48.70	*	
4012		12.867	+58.301	10.66	9.33	54.23	2.12	0.039	1618.38	1566.84	405.19	141.47	*	
49189		150.593	+48.092	10.03	9.16	67.14	1.66	0.025	1604.99	-637.32	-1473.03	113.32	*	

Table 3.6.2. The 150 stars in the Hipparcos Catalogue with largest proper motions (continued).

HIP	HD	α	δ	V	M_V	π	σ_π	σ_π/π	$ \mu $	μ_{α^*}	μ_δ	V_T	C	Name
16404		52.815	+66.733	9.91	6.14	17.58	1.53	0.087	1598.39	1190.86	-1066.16	431.01		
57443	102365	176.634	-40.501	4.89	5.06	108.23	0.70	0.006	1583.92	-1531.69	403.41	69.38	*	
5247		16.776	+63.941	9.00	8.11	66.46	1.27	0.019	1580.79	1548.21	319.28	112.75	*	
76074		233.058	-41.273	9.31	10.44	168.52	1.42	0.008	1563.65	-1177.47	-1028.86	43.99	*	
65859		202.496	+10.380	9.05	9.64	131.12	1.29	0.010	1557.72	1128.00	-1074.30	56.32	*	
16209		52.218	+37.385	11.10	9.07	39.19	2.52	0.064	1546.25	1120.24	-1065.81	187.04		
64924	115617	199.604	-18.309	4.74	5.09	117.30	0.71	0.006	1508.75	-1069.90	-1063.78	60.97	*	61 Vir
10812		34.788	-36.779	11.59	10.86	71.56	2.99	0.042	1498.69	1394.12	549.99	99.28	*	
23932		77.145	-18.169	10.28	10.43	107.30	2.00	0.019	1488.03	503.75	-1400.17	65.74	*	
15330	20766	49.435	-62.577	5.53	5.11	82.51	0.54	0.007	1486.81	1337.83	648.71	85.42	*	ζ^1 Ret
115332		350.407	+17.294	11.70	11.55	93.50	3.58	0.038	1485.52	-536.53	-1385.25	75.32	*	
15371	20807	49.546	-62.508	5.24	4.83	82.79	0.53	0.006	1479.94	1331.10	646.84	84.74	*	ζ^2 Ret
113229		343.950	-75.456	10.42	10.74	116.02	1.33	0.011	1477.26	-1027.28	-1061.60	60.36	*	
98906		301.264	+54.436	11.98	10.98	63.23	6.44	0.102	1472.40	-1165.35	-899.95	110.39	*	
110618	211998	336.143	-72.254	5.28	2.98	34.60	0.60	0.017	1466.57	1302.45	-674.12	200.93	*	ν Ind
83591	154363	256.266	-05.064	7.70	7.54	92.98	1.04	0.011	1461.33	-916.86	-1137.91	74.50	*	
80837	148816	247.620	+04.182	7.27	4.20	24.34	0.90	0.037	1458.03	-432.73	-1392.34	283.97	*	
83599		256.310	-05.091	10.08	9.84	89.70	28.71	0.320	1456.53	-921.19	-1128.23	76.98	*	
49908	88230	152.847	+49.455	6.60	8.16	205.22	0.81	0.004	1452.19	-1361.55	-505.00	33.54	*	
94761	180617	289.232	+05.172	9.12	10.28	170.26	1.37	0.008	1452.07	-578.86	-1331.70	40.43	*	
21609	29907	69.589	-65.419	9.85	6.00	17.00	0.98	0.058	1448.49	732.93	1249.38	403.91		
72509		222.386	-26.111	12.07	13.80	221.80	69.07	0.311	1436.11	-1421.60	-203.60	30.69	*	
2941	3443	9.332	-24.767	5.57	4.61	64.38	1.40	0.022	1422.19	1422.09	-17.15	104.72	*	
13375		43.027	+34.392	9.60	8.83	70.19	1.68	0.024	1402.58	994.66	-988.88	94.73	*	
72511		222.390	-26.106	11.72	13.58	235.24	22.43	0.095	1396.32	-1389.70	135.76	28.14	*	
117473		357.300	+02.404	8.98	10.10	167.51	1.49	0.009	1388.44	995.12	-968.25	39.29	*	
17666	23439	56.757	+41.430	7.67	5.72	40.83	2.24	0.055	1377.03	598.96	-1239.94	159.88	*	
70536		216.442	+23.623	9.98	8.99	63.35	1.81	0.029	1372.91	795.23	-1119.15	102.73	*	
5643		18.125	-17.001	12.10	14.25	269.05	7.57	0.028	1372.17	1210.09	646.95	24.18	*	
3765	4628	12.094	+05.283	5.74	6.38	134.04	0.86	0.006	1370.04	758.04	-1141.22	48.45	*	
70529		216.429	+23.620	9.77	8.64	59.54	1.73	0.029	1369.53	794.49	-1115.53	109.04	*	
116317		353.516	+00.182	11.16	10.43	71.56	4.77	0.067	1367.70	-997.02	-936.24	90.60	*	
74537	135204	228.465	-01.350	6.58	5.39	57.80	0.85	0.015	1365.71	-1269.65	-503.15	112.01	*	
57548		176.934	+00.808	11.12	13.50	299.58	2.20	0.007	1361.36	605.62	-1219.23	21.54	*	
98792	190404	300.970	+23.343	7.28	6.32	64.17	0.85	0.013	1355.89	-1002.84	-912.55	100.16	*	
73192		224.387	+31.399	11.08	8.03	24.56	5.24	0.213	1351.90	-694.60	-1159.81	260.94	*	
86287		264.470	+18.589	9.62	10.07	123.02	1.62	0.013	1351.18	926.83	983.19	52.07	*	
41926	72673	128.218	-31.503	6.38	5.95	82.15	0.66	0.008	1349.23	-1113.64	761.73	77.86	*	
32349	48915	101.289	-16.713	-1.44	1.45	379.21	1.58	0.004	1339.42	-546.01	-1223.08	16.74	*	α CMa
29277		92.582	+82.110	10.48	10.62	106.43	1.44	0.014	1337.80	50.26	-1336.86	59.59	*	
9724		31.267	-17.614	10.19	10.32	105.94	2.04	0.019	1328.96	1317.53	-173.94	59.47	*	
4569		14.613	-27.856	11.77	11.18	76.32	2.88	0.038	1327.47	1293.37	-298.93	82.45	*	
6351		20.390	-41.655	10.15	9.01	59.29	1.59	0.027	1320.17	1238.97	-455.84	105.55	*	
78072	142860	239.112	+15.665	3.85	3.62	89.92	0.72	0.008	1319.40	311.20	-1282.17	69.56	*	γ Ser
85295	157881	261.440	+02.114	7.54	8.10	129.54	0.95	0.007	1319.36	-580.47	-1184.81	48.28	*	
86162		264.110	+68.342	9.15	10.87	220.85	0.92	0.004	1309.37	-320.47	-1269.55	28.11	*	
15234		49.109	+38.101	10.67	8.10	30.63	2.36	0.077	1295.70	739.73	-1063.79	200.53	*	
21932	285968	70.731	+18.961	9.95	10.08	106.16	2.51	0.024	1295.37	659.83	-1114.72	57.84	*	
70956	127339	217.702	-08.646	9.40	8.31	60.53	1.57	0.026	1292.08	-1269.37	-241.19	101.19	*	
114962	219617	349.272	-13.848	8.16	3.56	12.04	2.41	0.200	1291.87	-502.28	-1190.23	508.64	*	
27080	39194	86.135	-70.147	8.09	6.05	39.08	0.75	0.019	1277.10	-309.03	1239.15	154.91	*	
49091		150.298	-30.392	11.43	10.40	62.33	2.35	0.038	1274.15	-1098.13	646.19	96.90	*	
14632	19373	47.262	+49.614	4.05	3.94	94.93	0.67	0.007	1265.60	1262.29	-91.53	63.20	*	ι Per
37279	61421	114.827	+05.228	0.40	2.68	285.93	0.88	0.003	1258.50	-716.57	-1034.58	20.86	*	α CMi
99825	192310	303.819	-27.033	5.73	6.00	113.33	0.89	0.008	1254.54	1241.35	-181.46	52.48	*	
46120		141.084	-80.526	10.11	6.19	16.46	0.99	0.060	1253.64	202.13	1237.24	361.05	*	
55988		172.116	+07.520	10.21	8.12	38.23	1.76	0.046	1248.89	-272.87	-1218.72	154.86	*	
58345	103932	179.487	-27.706	6.99	6.95	98.16	0.88	0.009	1244.99	-1079.64	-619.99	60.12	*	
23311	32147	75.203	-05.751	6.22	6.49	113.46	0.82	0.007	1238.49	550.74	-1109.30	51.75	*	
84405	155885	258.839	-26.600	4.33	5.44	167.08	1.07	0.006	1238.13	-473.69	-1143.93	35.13	*	36 Oph
93101	176029	284.501	+05.911	9.22	8.99	90.02	1.46	0.016	1237.16	-194.47	-1221.78	65.15	*	
80346		246.035	+48.354	10.27	10.74	124.34	1.16	0.009	1231.40	1145.33	-452.28	46.95	*	
80018		245.017	-37.531	10.56	10.92	118.03	2.28	0.019	1230.59	-729.36	991.16	49.42	*	
74995		229.865	-07.722	10.57	11.58	159.52	2.27	0.014	1228.59	-1224.55	-99.52	36.51	*	
3821	4614	12.271	+57.817	3.46	4.59	167.99	0.62	0.004	1222.71	1087.11	-559.65	34.50	*	η Cas
84478	156026	259.057	-26.543	6.33	7.45	167.56	1.06	0.006	1221.51	-479.71	-1123.37	34.56	*	
112120		340.659	+17.668	11.78	10.15	47.13	2.96	0.063	1220.71	1106.85	514.80	122.78	*	
57087		175.544	+26.709	10.67	10.62	97.73	2.27	0.023	1210.61	896.37	-813.70	58.72	*	
82809		253.857	-08.320	11.73	12.67	153.96	4.04	0.026	1209.62	-813.47	-895.23	37.24	*	
82817	152751	253.872	-08.334	9.02	10.23	174.23	3.90	0.022	1208.35	-829.34	-878.81	32.88	*	
49066		150.187	+32.311	11.93	9.83	38.09	3.31	0.087	1207.13	-1008.34	-663.64	150.23	*	
65877		202.560	-08.574	12.31	11.03	55.50	3.77	0.068	1204.93	-1107.17	-475.43	102.92	*	
171	224930	0.540	+27.084	5.80	5.33	80.63	3.03	0.038	1204.26	778.59	-918.72	70.80	*	85 Peg
19394		62.311	-53.375	11.79	10.91	66.82	2.01	0.030	1194.99	1043.71	581.95	84.78	*	
64394	114710	197.971	+27.876	4.23	4.42	109.23	0.72	0.007	1192.59	-801.94	882.70	51.76	*	β Com

Table 3.6.3. The 150 stars in the Hipparcos Catalogue with largest transverse velocities.

HIP	HD	α	δ	V	M_V	π	σ_π	σ_π/π	$ \mu $	$\mu\alpha^*$	$\mu\delta$	V_T	C	Name
74234	134440	227.557	-16.454	9.44	7.08	33.68	1.67	0.050	3681.49	-1001.47	-3542.66	518.17	*	
74235	134439	227.557	-16.371	9.07	6.74	34.14	1.36	0.040	3681.02	-998.86	-3542.91	511.12	*	
16404		52.815	+66.733	9.91	6.14	17.58	1.53	0.087	1598.39	1190.86	-1066.16	431.01		
21609	29907	69.589	-65.419	9.85	6.00	17.00	0.98	0.058	1448.49	732.93	1249.38	403.91		
49616	89499	151.889	-85.077	8.66	3.41	8.93	0.73	0.082	687.53	-563.56	393.83	364.98		
46120		141.084	-80.526	10.11	6.19	16.46	0.99	0.060	1253.64	202.13	1237.24	361.05		
24316	34328	78.267	-59.647	9.43	5.24	14.55	1.01	0.069	1068.00	935.43	515.36	347.96		
56936		175.083	+67.267	12.20	10.43	44.28	2.83	0.064	3168.11	262.62	-3157.21	339.17		
117254	223065	356.636	-41.580	7.33	2.88	12.91	0.78	0.060	894.11	255.64	-856.78	328.31		
48152	84937	147.233	+13.746	8.33	3.80	12.44	1.06	0.085	860.22	373.81	-774.75	327.80		
76976	140283	235.766	-10.933	7.20	3.41	17.44	0.97	0.056	1155.90	-1115.54	-302.77	314.19	*	
34285		106.621	-57.460	9.53	4.67	10.68	0.91	0.085	697.55	-93.65	691.23	309.62		
57939	103095	178.233	+37.733	6.42	6.61	109.21	0.78	0.007	7058.36	4003.69	-5813.00	306.38	*	Groombr. 1830
10449		33.665	-01.201	9.08	5.12	16.17	1.34	0.083	997.90	994.65	-80.42	292.55		
80837	148816	247.620	+04.182	7.27	4.20	24.34	0.90	0.037	1458.03	-432.73	-1392.34	283.97		
38541	64090	118.386	+30.610	8.27	6.01	35.29	1.04	0.029	1965.35	705.00	-1834.55	264.00	*	
92167	175305	281.774	+74.725	7.18	1.13	6.18	0.56	0.091	329.08	319.24	79.89	252.43		
86431	160693	264.905	+37.186	8.39	4.70	18.32	0.78	0.043	959.03	-497.69	-819.78	248.16		
100568	193901	305.898	-21.368	8.65	5.45	22.88	1.24	0.054	1185.87	539.73	-1055.93	245.70		
65201	116064	200.435	-39.311	8.80	4.76	15.54	1.44	0.093	761.32	-754.20	103.90	232.24		
33582	51754	104.660	-00.479	9.02	4.85	14.63	1.39	0.095	693.04	336.15	-606.06	224.56		
72726		223.038	+71.663	10.85	7.54	21.76	1.50	0.069	959.67	-868.01	-409.29	209.07		
104059		316.225	-16.954	11.45	10.04	52.26	3.06	0.059	2231.65	-914.54	-2035.65	202.43	*	
110618	211998	336.143	-72.254	5.28	2.98	34.60	0.60	0.017	1466.57	1302.45	-674.12	200.93	*	v Ind
15234		49.109	+38.101	10.67	8.10	30.63	2.36	0.077	1295.70	739.73	-1063.79	200.53		
14759		47.653	-84.544	10.25	6.17	15.27	1.10	0.072	628.19	592.38	209.06	195.02		
59785	106572	183.878	-41.913	6.24	1.10	9.39	0.81	0.086	383.03	-337.63	-180.89	193.37		
18915	25329	60.807	+35.277	8.51	7.18	54.14	1.08	0.020	2205.93	1732.49	-1365.50	193.15	*	
117702	223713	358.059	-61.423	9.43	6.01	20.70	1.20	0.058	835.17	178.75	-815.82	191.26		
60417	107773	185.813	-67.632	6.36	2.83	19.69	0.59	0.030	793.89	-751.13	257.04	191.13		
7869	10607	25.309	-67.676	8.33	4.06	14.01	0.74	0.053	554.34	320.78	-452.10	187.57		
16209		52.218	+37.385	11.10	9.07	39.19	2.52	0.064	1546.25	1120.24	-1065.81	187.04		
19143	281540	61.547	+32.953	10.00	7.21	27.68	1.77	0.064	1075.63	682.14	-831.67	184.21		
84164	155185	258.091	-46.561	9.19	5.43	17.74	1.51	0.085	688.40	-60.63	-685.72	183.95		
3086	3628	9.803	+03.133	7.34	4.03	21.79	0.88	0.040	835.80	781.34	296.76	181.83		
93623	177095	285.987	-20.459	9.62	5.70	16.45	1.41	0.086	628.77	-227.10	-586.32	181.19		
89523		274.016	+68.648	10.13	5.53	12.04	1.07	0.089	459.53	127.76	441.41	180.93		
30514		96.214	-32.123	9.43	4.74	11.55	1.08	0.094	440.02	150.56	413.46	180.60		
69201	123505	212.514	-61.520	9.68	6.29	20.95	1.65	0.079	792.09	-460.09	-644.77	179.23	*	
111783		339.629	+10.541	9.50	5.54	16.15	1.49	0.092	603.09	-277.76	-535.32	177.02		
96062	184400	292.983	+48.592	8.51	3.31	9.13	0.73	0.080	337.37	67.17	330.62	175.17		
12483	16784	40.160	-30.136	8.01	3.99	15.67	1.00	0.064	574.87	569.90	75.41	173.91	*	
80850	150275	247.663	+77.446	6.35	0.87	8.00	0.58	0.072	291.99	-103.74	272.94	173.02		
58843	104800	181.023	+03.342	9.21	5.23	15.97	1.26	0.079	578.47	58.76	-575.48	171.71		
53169		163.152	-02.109	9.79	6.69	23.94	1.71	0.071	867.15	-402.25	-768.21	171.71		
64345	114606	197.840	+09.625	8.72	4.79	16.36	1.15	0.070	585.15	-520.57	267.23	169.55		
53523		164.253	+41.885	9.72	6.33	21.01	1.28	0.061	743.72	-686.26	-286.64	167.80		
36818		113.579	-45.280	10.49	6.42	15.32	1.38	0.090	539.23	-311.93	439.85	166.85		
81170	149414	248.677	-04.227	9.60	6.18	20.71	1.50	0.072	716.47	-133.09	-704.00	164.00	*	
6159	7983	19.751	-08.938	8.90	4.77	14.91	1.23	0.082	513.54	-230.33	-458.99	163.27		
57349	102158	176.379	+47.668	8.06	4.47	19.17	0.87	0.045	659.33	-591.50	-291.29	163.04		
55042		169.012	-57.551	11.66	11.17	79.71	2.80	0.035	2732.50	-2465.03	1179.06	162.51	*	
58708	104556	180.622	+43.085	6.64	2.92	18.05	0.84	0.047	618.06	-347.02	-511.45	162.32		
24186	33793	77.897	-45.004	8.86	10.89	255.26	0.86	0.003	8670.50	6506.05	-5731.39	161.02	*	Kapteyn's star
60956	108754	187.429	-03.332	8.99	5.41	19.20	1.13	0.059	651.28	-328.02	-562.64	160.80	*	
74033	134113	226.945	+08.880	8.26	4.20	15.40	1.37	0.089	522.11	-518.99	-57.02	160.72		
17666	23439	56.757	+41.430	7.67	5.72	40.83	2.24	0.055	1377.03	598.96	-1239.94	159.88	*	
10652	14056	34.279	+21.567	9.06	4.86	14.43	1.33	0.092	481.44	474.18	83.29	158.16		
14594	19445	47.107	+26.333	8.04	5.10	25.85	1.14	0.044	856.36	-209.55	-830.33	157.04		
7007	9138	22.546	+06.144	4.84	-0.38	9.05	0.73	0.081	296.87	293.23	-46.36	155.50		μ Psc
21131	29029	67.946	-49.321	9.26	4.27	10.06	0.79	0.079	329.21	36.00	327.24	155.13		
27080	39194	86.135	-70.147	8.09	6.05	39.08	0.75	0.019	1277.10	-309.03	1239.15	154.91	*	
62809	111777	193.052	-56.574	8.48	5.20	22.09	1.07	0.048	721.69	-687.39	-219.85	154.87		
55988		172.116	+07.520	10.21	8.12	38.23	1.76	0.046	1248.89	-272.87	-1218.72	154.86		
98532	189558	300.252	-12.255	7.72	3.57	14.76	1.10	0.075	478.56	-309.16	-365.29	153.70		
64972	115346	199.747	-74.840	8.38	3.60	11.07	0.79	0.071	358.44	-346.94	-90.08	153.50		
46191	81408	141.271	-12.965	9.64	6.60	24.63	1.53	0.062	795.55	555.69	-569.31	153.12		
104659	201891	317.996	+17.730	7.37	4.63	28.26	1.01	0.036	907.03	-121.58	-898.84	152.15		
15495	278543	49.915	+33.600	9.67	6.34	21.57	1.60	0.074	687.89	404.73	-556.22	151.18		
49066		150.187	+32.311	11.93	9.83	38.09	3.31	0.087	1207.13	-1008.34	-663.64	150.23		
61563		189.213	-76.955	10.98	8.20	27.80	1.60	0.058	877.94	-873.35	-89.61	149.71	*	
71469	128429	219.251	-12.306	6.20	3.58	29.97	0.95	0.032	944.23	-870.88	364.89	149.35		
3456	4211	11.050	-38.422	5.90	0.61	8.76	0.72	0.082	274.92	247.02	120.68	148.77		λ^2 Scl
100792	194598	306.549	+09.451	8.33	4.60	17.94	1.24	0.069	562.21	117.90	-549.71	148.56		
17671	24049	56.775	-56.042	9.48	4.81	11.65	0.92	0.079	364.58	363.03	33.53	148.35		

Table 3.6.3. The 150 stars in the Hipparcos Catalogue with largest transverse velocities (continued).

HIP	HD	α	δ	V	M_V	π	σ_π	σ_π/π	$ \mu $	$\mu_{\alpha*}$	μ_δ	V_T	C	Name
55806	233832	171.525	+50.375	10.15	6.14	15.74	1.57	0.100	489.78	-473.50	125.21	147.51		
67534	120329	207.569	-57.261	8.34	4.11	14.24	1.05	0.074	438.03	-297.76	-321.26	145.82		
149		0.479	+26.006	11.26	8.06	22.92	2.17	0.095	700.73	-309.64	-628.61	144.93	*	γ Psc
114971	219615	349.290	+03.282	3.70	0.68	24.92	0.89	0.036	760.56	760.35	17.96	144.68		
110468	212038	335.649	-50.805	8.75	6.48	35.14	1.30	0.037	1071.14	165.19	-1058.33	144.50		
109680	210368	333.271	-71.145	9.67	5.52	14.79	1.18	0.080	449.56	323.47	-312.20	144.09		
2743	3222	8.757	-63.694	8.55	6.21	34.04	0.86	0.025	1031.09	881.63	-534.68	143.59		
115610		351.298	+34.289	9.35	6.34	25.02	1.34	0.054	756.17	-297.94	-695.00	143.27		
64125	114076	197.143	-41.644	9.39	5.79	19.08	1.28	0.067	572.64	-568.09	-72.02	142.27		
99267		302.255	+42.864	10.11	5.51	12.04	1.13	0.094	360.88	119.35	340.57	142.09		
55415	98732	170.231	-58.704	7.02	2.05	10.16	0.78	0.077	303.65	-302.57	25.61	141.68		
4012		12.867	+58.301	10.66	9.33	54.23	2.12	0.039	1618.38	1566.84	405.19	141.47	*	
35633		110.300	-15.357	9.78	6.02	17.74	1.32	0.074	527.21	336.88	-405.54	140.88		
109368		332.362	-78.926	10.87	7.30	19.32	1.53	0.079	572.47	309.08	-481.86	140.46		
57888	103112	178.088	+09.948	7.61	3.08	12.39	0.97	0.078	364.85	-347.87	110.01	139.59	*	
63090	112300	193.902	+03.398	3.39	-0.57	16.11	0.88	0.055	474.39	-471.44	-52.81	139.59		δ Vir
39911	68089	122.272	-42.075	9.60	5.48	14.99	0.99	0.066	441.30	-396.81	193.11	139.56		
99792	351759	303.708	+18.466	10.46	7.35	23.91	1.78	0.074	703.50	-120.84	-693.04	139.48		
106924		324.819	+60.283	10.36	6.27	15.20	1.21	0.080	447.16	-381.55	233.17	139.46		
18180		58.333	-37.064	12.13	10.11	39.48	2.69	0.068	1159.32	-408.80	-1084.85	139.20	*	
70791	127243	217.159	+49.845	5.58	0.70	10.59	0.61	0.058	308.04	-304.53	-46.36	137.89		g Boo
52104	93118	159.689	-83.109	8.84	4.11	11.32	0.82	0.072	329.02	-265.89	193.79	137.78		
86013	159482	263.681	+06.013	8.37	4.97	20.90	1.18	0.056	607.26	-478.64	373.73	137.74		
45593		139.389	+77.245	10.12	7.95	36.74	3.39	0.092	1067.29	-1067.29	-0.91	137.71	*	
13366	17820	42.993	+11.371	8.38	4.31	15.38	1.39	0.090	446.27	37.33	-444.71	137.55		
43393	75530	132.588	-05.535	9.18	5.55	18.78	1.48	0.079	544.46	-181.54	-513.30	137.43		
67863	121004	208.494	-46.539	9.02	5.14	16.73	1.35	0.081	482.18	-482.10	8.87	136.63		
5122	5256	16.407	+87.319	8.77	4.01	11.19	0.83	0.074	320.33	310.23	79.80	135.70		
93968	179141	287.000	+58.144	7.95	1.97	6.37	0.63	0.099	182.08	-11.39	181.72	135.50		
8558	11569	27.601	-71.949	9.01	3.89	9.47	0.77	0.081	270.58	268.97	-29.45	135.45		
5336	6582	17.054	+54.924	5.17	5.78	132.40	0.60	0.005	3776.76	3421.44	-1599.27	135.22	*	μ Cas
18802	25704	60.434	-57.208	8.11	4.51	19.02	0.87	0.046	539.99	347.27	413.51	134.58		
67285		206.849	-06.135	10.27	7.13	23.52	1.70	0.072	667.67	-338.90	-575.27	134.57		
18235	24616	58.497	-23.136	6.68	2.68	15.87	0.81	0.051	449.15	336.31	-297.71	134.16		
23518		75.844	+53.132	9.96	9.23	71.35	1.76	0.025	2015.94	1304.13	-1537.29	133.94	*	
117029	222794	355.861	+58.079	7.14	3.85	22.01	0.65	0.030	619.42	390.05	481.19	133.41		
71819	129290	220.371	+13.602	8.37	4.11	14.04	1.19	0.085	394.74	-387.65	-74.47	133.28		
53311	94518	163.551	-31.159	8.33	3.85	12.72	1.00	0.079	357.54	-113.91	-338.91	133.25	*	
3114	4229	9.909	-85.701	6.81	0.76	6.18	0.52	0.084	173.68	173.24	-12.36	133.22		
90393	170357	276.658	+46.083	8.27	4.06	14.37	0.73	0.051	402.02	-348.79	199.92	132.62		
59198		182.095	-00.482	11.25	8.95	34.60	2.58	0.075	967.52	-963.32	-90.07	132.56	*	
70520	126512	216.375	+20.592	7.27	3.91	21.32	0.83	0.039	596.05	132.60	-581.11	132.53		
63559	113083	195.361	-27.374	8.04	4.38	18.51	1.12	0.061	517.34	-476.18	-202.22	132.49		
41269		126.298	+32.611	10.10	7.02	24.18	1.83	0.076	674.97	13.71	-674.83	132.33	*	
82588	152391	253.247	-00.023	6.65	5.51	59.04	0.87	0.015	1645.54	-711.75	-1483.65	132.12	*	
2293		7.322	+80.913	11.37	7.60	17.58	1.75	0.100	489.22	300.75	385.86	131.92		
107314		326.043	+25.333	9.48	6.23	22.39	1.41	0.063	620.93	-359.01	-506.62	131.46		
64444	114692	198.134	-34.747	7.76	3.38	13.30	1.24	0.093	368.61	-250.44	-270.47	131.38		
102237		310.750	+35.498	11.41	8.11	21.86	2.18	0.100	605.44	-205.32	-569.56	131.29		
65982	117635	202.918	-02.318	7.32	4.87	32.35	1.77	0.055	895.47	-854.52	267.70	131.22	*	
89587	167768	274.221	-03.007	5.99	0.97	9.91	0.83	0.084	273.87	18.11	-273.27	131.01		
84988	155918	260.562	-75.348	7.00	4.77	35.85	0.70	0.020	990.21	-957.24	-253.38	130.94	*	
50713	89777	155.321	-17.049	9.35	5.54	17.30	1.26	0.073	474.27	-459.09	119.03	129.96		
80	224817	0.242	-11.824	8.40	4.36	15.59	1.43	0.092	427.15	419.04	-82.83	129.88		
53070	94028	162.868	+20.279	8.21	4.63	19.23	1.13	0.059	526.13	-261.86	-456.33	129.70		
102046	196892	310.206	-18.792	8.24	4.23	15.78	1.22	0.077	430.84	44.38	-428.55	129.43		
115359	220197	350.492	+16.633	8.92	4.80	14.97	1.23	0.082	408.35	405.37	-49.22	129.31		
88166		270.102	+14.716	9.23	5.72	19.84	1.40	0.071	540.57	-469.66	-267.64	129.16		
117159	222935	356.289	+29.562	8.40	6.11	34.85	1.02	0.029	948.86	948.85	-3.41	129.07		
66413		204.238	+07.768	10.00	7.49	31.52	1.66	0.053	856.33	-776.59	-360.85	128.79	*	
7902	10145	25.403	+66.911	7.70	4.88	27.28	0.96	0.035	740.89	692.05	-264.55	128.75	*	
88033	316899	269.722	-30.170	9.34	6.33	25.06	1.91	0.076	680.24	173.92	-657.63	128.68	*	
102862	198245	312.594	-40.607	8.94	5.06	16.78	1.30	0.077	455.19	-75.09	-448.95	128.59		
113477		344.720	+69.030	8.76	5.71	24.52	0.77	0.031	664.38	593.24	299.10	128.44		
67755	120764	208.208	-54.579	7.20	2.33	10.64	0.96	0.090	287.89	-265.77	-110.66	128.26		
103392	199580	314.199	+42.895	7.21	2.54	11.64	0.68	0.058	313.92	218.84	225.06	127.84		
55360		170.038	+65.846	9.31	9.52	109.95	1.11	0.010	2952.47	-2946.70	184.52	127.30	*	
7961	10519	25.561	-17.889	7.45	4.00	20.45	0.99	0.048	548.93	548.81	11.38	127.25		
439	225213	1.335	-37.352	8.56	10.36	229.33	1.08	0.005	6099.89	5634.07	-2337.94	126.09	*	
10279		33.092	+03.580	10.04	9.96	96.28	1.80	0.019	2556.23	-1761.07	-1852.82	125.86	*	
34082		106.012	+71.196	9.34	5.31	15.64	1.44	0.092	415.08	-61.23	-410.54	125.81		
40841	68744	125.012	+73.337	8.44	3.48	10.18	0.91	0.089	270.01	-100.39	-250.65	125.73		
110035	211476	334.311	+12.898	7.04	4.60	32.55	0.95	0.029	863.26	857.66	98.18	125.72		
72407		222.079	+58.910	9.74	4.84	10.49	0.93	0.089	277.52	-269.10	67.83	125.41		
106356	205027	323.120	+01.013	8.31	4.39	16.43	1.23	0.075	433.99	-278.88	-332.52	125.22		

Table 3.6.4. The 150 most luminous stars in the Hipparcos Catalogue.

HIP	HD	α	δ	V	M_V	π	σ_π	σ_π/π	$ \mu $	$\mu\alpha^*$	$\mu\delta$	V_T	C	Name
24436	34085	78.634	-08.202	0.18	-6.69	4.22	0.81	0.192	1.95	1.87	-0.56	2.19		β Ori
100453	194093	305.557	+40.257	2.23	-6.12	2.14	0.51	0.238	2.60	2.43	-0.93	5.76		γ Cyg
39429	66811	120.896	-40.003	2.21	-5.95	2.33	0.51	0.219	35.09	-30.82	16.77	71.39		ζ Pup
48002	85123	146.776	-65.072	2.92	-5.56	2.01	0.40	0.199	12.57	-11.55	4.97	29.65		ν Car
30438	45348	95.988	-52.696	-0.62	-5.53	10.43	0.53	0.051	30.98	19.99	23.67	14.08		α Car
68702	122451	210.956	-60.373	0.61	-5.42	6.21	0.56	0.090	42.21	-33.96	-25.06	32.22		β Cen
25985	36673	83.183	-17.822	2.58	-5.40	2.54	0.72	0.283	3.61	3.27	1.54	6.75		α Lep
48774	86440	149.216	-54.568	3.52	-5.34	1.69	0.50	0.296	13.43	-13.13	2.83	37.68		ϕ Vel
39953	68273	122.383	-47.337	1.75	-5.31	3.88	0.53	0.137	11.54	-5.93	9.90	14.10		γ Vel
26727	37742	85.190	-01.943	1.74	-5.26	3.99	0.79	0.198	4.73	3.99	2.54	5.62		ζ Ori
27989	39801	88.793	+07.407	0.45	-5.14	7.63	1.64	0.215	29.41	27.33	10.86	18.27		α Ori
85927	158926	263.402	-37.104	1.62	-5.05	4.64	0.90	0.194	31.24	-8.90	-29.95	31.92		λ Sco
25930	36486	83.002	-00.299	2.25	-4.99	3.56	0.83	0.233	1.76	1.67	0.56	2.35		δ Ori
35264	56855	109.286	-37.097	2.71	-4.92	2.98	0.55	0.185	12.68	-10.57	7.00	20.17		π Pup
46974	83183	143.611	-59.230	4.08	-4.83	1.65	0.49	0.297	12.74	-11.23	6.02	36.61		h Car
27366	38771	86.939	-09.670	2.07	-4.65	4.52	0.77	0.170	1.96	1.55	-1.20	2.06		κ Ori
38518	64760	118.326	-48.103	4.22	-4.65	1.68	0.50	0.298	7.66	-4.90	5.89	21.62		J Pup
47854	84810	146.312	-62.508	3.69	-4.64	2.16	0.47	0.218	15.31	-12.88	8.28	33.60		l Car
41037	71129	125.629	-59.510	1.86	-4.58	5.16	0.49	0.095	34.03	-25.34	22.72	31.27		e Car
18246	24398	58.533	+31.884	2.84	-4.55	3.32	0.75	0.226	10.16	4.41	-9.15	14.50		ζ Per
37819	63032	116.314	-37.969	3.62	-4.52	2.35	0.55	0.234	12.31	-10.77	5.97	24.84		c Pup
43023	75063	131.507	-46.042	3.87	-4.52	2.10	0.53	0.252	13.15	-12.23	4.82	29.67		a Vel
15863	20902	51.081	+49.861	1.79	-4.50	5.51	0.66	0.120	35.47	24.11	-26.01	30.51		α Per
45556	80404	139.273	-59.275	2.21	-4.42	4.71	0.46	0.098	23.11	-19.03	13.11	23.26		i Car
85267	157246	261.349	-56.378	3.31	-4.40	2.87	0.75	0.261	15.87	-0.77	-15.85	26.21		γ Ara
33856	52877	105.430	-27.935	3.49	-4.37	2.68	0.59	0.220	7.59	-6.01	4.64	13.43		σ CMa
40091	68553	122.840	-39.619	4.44	-4.36	1.74	0.52	0.299	9.43	-8.91	3.10	25.70		h' Pup
31407	47306	98.744	-52.976	4.35	-4.31	1.85	0.51	0.276	13.67	-7.65	11.33	35.03		
99675	192577	303.408	+46.741	3.80	-4.29	2.41	0.57	0.237	4.60	4.20	1.87	9.04		δ^1 Cyg
4427	5394	14.177	+60.717	2.15	-4.22	5.32	0.56	0.105	25.93	25.65	-3.82	23.11		γ Cas
60718	108248	186.650	-63.099	0.77	-4.19	10.17	0.67	0.066	38.31	-35.37	-14.73	17.86		α^1 Cru
107315	206778	326.046	+09.875	2.38	-4.19	4.85	0.84	0.173	30.05	30.02	1.38	29.37		e Peg
26207	36861	83.784	+09.934	3.39	-4.16	3.09	0.78	0.252	2.13	-1.03	-1.86	3.26		λ Ori
32246	48329	100.983	+25.131	3.06	-4.15	3.61	0.91	0.252	14.12	-5.93	-12.81	18.54		ϵ Gem
42312	73634	129.411	-42.989	4.11	-4.11	2.27	0.50	0.220	14.05	-10.38	9.47	29.34		e Vel
33579	52089	104.656	-28.972	1.50	-4.10	7.57	0.57	0.075	3.49	2.63	2.29	2.18		ϵ CMa
42624	74272	130.305	-47.317	4.74	-4.08	1.72	0.46	0.267	12.57	-10.53	6.87	34.65		n Vel
104060	200905	316.233	+43.928	3.72	-4.07	2.77	0.52	0.188	8.61	8.60	0.35	14.73		ξ Cyg
65936	117440	202.761	-39.407	3.90	-4.03	2.60	0.75	0.288	19.27	-15.65	-11.25	35.14		d Cen
36514	59890	112.678	-30.962	4.65	-4.00	1.86	0.53	0.285	11.77	-11.74	0.84	30.00		
34981	56014	108.563	-26.353	4.42	-4.00	2.07	0.59	0.285	7.64	-6.58	3.89	17.51		27 CMa
44816	78647	136.999	-43.433	2.23	-3.99	5.69	0.53	0.093	27.25	-23.21	14.28	22.70		λ Vel
88886	166182	272.190	+20.815	4.37	-3.98	2.14	0.63	0.294	6.77	-2.71	-6.20	14.99		102 Her
30324	44743	95.675	-17.956	1.98	-3.95	6.53	0.66	0.101	3.48	-3.45	-0.47	2.53		β CMa
62434	111123	191.930	-59.689	1.25	-3.92	9.25	0.61	0.066	49.91	-48.24	-12.82	25.58		β Cru
109074	209750	331.446	-00.320	2.95	-3.88	4.30	0.83	0.193	20.47	17.90	-9.93	22.57		α Aqr
42568	74375	130.154	-59.761	4.31	-3.87	2.31	0.46	0.199	8.45	-6.87	4.92	17.34		d Car
107136	206672	325.524	+51.190	4.69	-3.87	1.94	0.53	0.273	5.66	5.25	-2.11	13.83		π^1 Sco
80112	147165	245.297	-25.593	2.90	-3.86	4.44	0.81	0.182	20.63	-10.03	-18.03	22.03		σ Sco
25281	35411	81.119	-02.397	3.35	-3.86	3.62	0.88	0.243	3.26	-0.54	-3.21	4.26		η Ori
71860	129056	220.482	-47.388	2.30	-3.83	5.95	0.76	0.128	32.15	-21.15	-24.22	25.62		α Lup
88714	165024	271.658	-50.091	3.65	-3.81	3.22	0.71	0.220	12.52	-8.43	-9.26	18.44		θ Ara
29276	42933	92.575	-54.969	4.72	-3.81	1.97	0.50	0.254	7.72	-4.11	6.53	18.57		δ Pic
34088	52973	106.027	+20.570	4.01	-3.76	2.79	0.81	0.290	5.80	-5.72	-0.96	9.85		ζ Gem
26069	37350	83.406	-62.490	3.76	-3.76	3.14	0.59	0.188	12.60	1.06	12.56	19.03		β Dor
51232	90853	156.970	-58.739	3.81	-3.71	3.13	0.53	0.169	13.43	-13.25	2.21	20.34		s Car
50555	89682	154.903	-55.029	4.59	-3.71	2.19	0.48	0.219	15.33	-14.79	4.03	33.18		
99848	192909	303.868	+47.714	3.96	-3.70	2.94	0.60	0.204	4.06	3.88	1.20	6.55		δ^2 Cyg
51849	91942	158.897	-57.558	4.45	-3.68	2.37	0.52	0.219	15.43	-15.43	-0.16	30.86		r Car
50676	89890	155.228	-56.043	4.50	-3.65	2.34	0.49	0.209	18.21	-18.15	1.49	36.89		J Vel
92420	174638	282.520	+33.363	3.52	-3.64	3.70	0.52	0.141	4.59	1.10	-4.46	5.89		β Lyr
11767	8890	37.946	+89.264	1.97	-3.64	7.56	0.48	0.063	45.75	44.22	-11.74	28.69		α UMi
45941	81188	140.528	-55.011	2.47	-3.62	6.05	0.48	0.079	15.53	-10.72	11.24	12.17		κ Vel
82273	150798	252.166	-69.028	1.91	-3.62	7.85	0.63	0.080	37.45	17.85	-32.92	22.61		α TrA
111104	213420	337.622	+43.123	4.52	-3.60	2.38	0.64	0.269	6.11	-2.05	-5.76	12.18		6 Lac
65474	116658	201.298	-11.161	0.98	-3.55	12.44	0.86	0.069	53.04	-42.50	-31.73	20.21		α Vir
41039	70930	125.632	-48.490	4.79	-3.54	2.16	0.57	0.264	9.26	-6.28	6.81	20.33		B Vel
107533	207330	326.698	+49.310	4.23	-3.52	2.82	0.52	0.184	4.06	3.61	-1.86	6.83		π^2 Cyg
70069	125288	215.081	-56.386	4.30	-3.50	2.75	0.59	0.215	11.98	-9.29	-7.57	20.66		ν Cen
78820	144217	241.359	-19.805	2.56	-3.50	6.15	1.12	0.182	25.79	-6.75	-24.89	19.88		β^1 Sco
85258	157244	261.325	-55.530	2.84	-3.49	5.41	0.76	0.140	26.04	-8.23	-24.71	22.82		β Ara
38901	65456	119.417	-30.335	4.76	-3.47	2.26	0.58	0.257	10.81	-8.11	7.14	22.66		
109556	210839	332.877	+59.415	5.05	-3.47	1.98	0.46	0.232	13.21	-7.22	-11.06	31.62		λ Cep
106278	204867	322.890	-05.571	2.90	-3.47	5.33	0.94	0.176	23.75	22.79	-6.70	21.13		β Aqr
93279	176670	285.003	+32.145	4.94	-3.43	2.12	0.55	0.259	11.52	6.13	9.75	25.75		λ Lyr

Table 3.6.4. The 150 most luminous stars in the Hipparcos Catalogue (continued).

HIP	HD	α	δ	V	M_V	π	σ_π	σ_π/π	$ \mu $	$\mu\alpha^*$	$\mu\delta$	V_T	C	Name
111022	213310	337.383	+47.707	4.34	-3.42	2.80	0.50	0.179	3.42	-0.60	-3.37	5.80		5 Lac
32759	50013	102.460	-32.508	3.50	-3.42	4.13	0.50	0.121	10.03	-9.18	4.04	11.51		κ CMa
76297	138690	233.785	-41.167	2.80	-3.40	5.75	1.24	0.216	30.15	-16.05	-25.52	24.85		γ Lup
23522	31910	75.855	+60.442	4.03	-3.40	3.27	0.74	0.226	15.99	-6.11	-14.78	23.19		β Cam
42828	74575	130.898	-33.186	3.68	-3.39	3.86	0.53	0.137	17.78	-14.28	10.60	21.84		α Pyx
50371	89388	154.271	-61.332	3.39	-3.38	4.43	0.49	0.111	25.08	-24.25	6.38	26.83		q Car
86670	160578	265.622	-39.030	2.39	-3.38	7.03	0.73	0.104	26.36	-6.49	-25.55	17.78		κ Sco
109492	210745	332.714	+58.201	3.39	-3.35	4.49	0.50	0.111	14.08	13.35	4.49	14.87		ζ Cep
73273	132058	224.633	-43.134	2.68	-3.35	6.23	0.71	0.114	51.25	-34.06	-38.30	39.00		β Lup
38020	63578	116.881	-46.609	5.22	-3.33	1.95	0.47	0.241	8.71	-3.57	7.95	21.19		
110991	213306	337.293	+58.415	4.07	-3.32	3.32	0.58	0.175	16.85	16.47	3.55	24.06		δ Cep
40943	70556	125.338	-36.484	5.18	-3.31	2.00	0.56	0.280	10.65	-8.04	6.98	25.24		
47193	81817	144.272	+81.326	4.28	-3.31	3.03	0.54	0.178	23.14	-16.77	-15.95	36.21		
85696	158408	262.691	-37.296	2.70	-3.31	6.29	0.81	0.129	29.44	-4.19	-29.14	22.19		v Sco
98162	188603	299.237	-27.170	4.54	-3.30	2.70	0.75	0.278	17.77	9.60	-14.95	31.19		b Sgr
24845	34816	79.894	-13.177	4.29	-3.30	3.03	0.77	0.254	5.35	-2.49	-4.74	8.38		λ Lep
38957	65818	119.560	-49.245	4.47	-3.29	2.80	0.51	0.182	10.18	-7.48	6.91	17.24		
23015	31398	74.248	+33.166	2.69	-3.29	6.37	0.96	0.151	18.89	3.63	-18.54	14.06		r Aur
98425	189687	299.980	+37.043	5.15	-3.27	2.07	0.50	0.242	0.48	0.41	-0.24	1.09		25 Cyg
57696	102839	177.486	-70.226	4.98	-3.27	2.24	0.58	0.259	7.86	-7.61	-1.96	16.63		
25044	35039	80.441	-00.382	4.72	-3.26	2.53	0.74	0.292	1.73	0.45	1.67	3.24		o Ori
35037	56139	108.703	-26.773	4.01	-3.25	3.53	0.58	0.164	13.82	-11.50	7.67	18.56		ω CMa
80079	147084	245.159	-24.169	4.55	-3.24	2.77	0.76	0.274	15.31	-4.23	-14.71	26.19		θ Sco
23453	32068	75.620	+41.076	3.69	-3.22	4.14	0.81	0.196	23.20	8.88	-21.43	26.56		ζ Aur
81377	149757	249.290	-10.567	2.54	-3.20	7.12	0.71	0.100	28.60	13.07	25.44	19.04		ζ Oph
93194	176437	284.736	+32.690	3.25	-3.20	5.14	0.51	0.099	3.28	-2.76	1.77	3.02		γ Lyr
42834	74753	130.918	-49.823	5.15	-3.19	2.15	0.57	0.265	5.10	-3.56	3.65	11.24		D Vel
18532	24760	59.463	+40.010	2.90	-3.19	6.06	0.82	0.135	27.16	12.61	-24.06	21.25		ϵ Per
55831	99556	171.648	-61.115	5.22	-3.17	2.10	0.55	0.262	13.94	-13.83	1.78	31.48		
78401	143275	240.083	-22.622	2.29	-3.16	8.12	0.88	0.108	37.90	-8.67	-36.90	22.13		δ Sco
83081	152786	254.655	-55.990	3.12	-3.11	5.68	0.91	0.160	39.76	-18.31	-35.29	33.18	*	ζ Ara
94481	180163	288.440	+39.146	4.43	-3.09	3.13	0.51	0.163	1.70	-1.59	-0.61	2.58		η Lyr
42712	74455	130.567	-48.099	5.48	-3.09	1.93	0.57	0.295	6.04	-4.92	3.51	14.84		
9640	12533	30.975	+42.330	2.10	-3.08	9.19	0.73	0.079	66.65	43.08	-50.85	34.38		γ^1 And
106032	205021	322.165	+70.561	3.23	-3.08	5.48	0.47	0.086	15.33	12.60	8.73	13.26		β Cep
61136	108968	187.918	-59.424	5.49	-3.07	1.94	0.57	0.294	13.64	-13.19	-3.47	33.33		35 Cru
99824	192685	303.816	+25.592	4.79	-3.04	2.72	0.77	0.283	8.53	6.90	-5.02	14.87		
17358	22928	55.731	+47.788	3.01	-3.04	6.18	0.85	0.138	48.23	23.83	-41.93	36.99		δ Per
97278	186791	296.565	+10.613	2.72	-3.03	7.08	0.75	0.106	16.02	15.72	-3.08	10.73		γ Aql
48374	85622	147.920	-46.548	4.58	-3.03	3.01	0.56	0.186	26.30	-24.41	9.80	41.43		m Vel
66657	118716	204.972	-53.466	2.29	-3.02	8.68	0.77	0.089	19.41	-14.60	-12.79	10.60		ϵ Cen
113726	217675	345.480	+42.326	3.62	-3.01	4.71	0.67	0.142	22.47	22.47	0.24	22.62		θ And
107374	207198	326.222	+62.461	5.94	-3.01	1.62	0.48	0.296	4.09	-2.98	-2.80	11.97		
26176	36822	83.705	+09.490	4.39	-3.01	3.31	0.77	0.233	2.78	-1.24	-2.49	3.98		ϕ^1 Ori
99120	190421	301.847	-52.881	4.93	-3.00	2.60	0.72	0.277	14.46	-12.72	6.88	26.37		ζ Tel
52468	93070	160.885	-60.567	4.58	-2.99	3.06	0.50	0.163	15.54	-15.22	3.12	24.07		w Car
92791	175588	283.626	+36.899	4.22	-2.98	3.63	0.56	0.154	7.48	-6.73	3.26	9.77		δ^2 Lyr
73771	131246	226.196	-83.038	5.65	-2.98	1.88	0.52	0.277	19.66	-8.65	-17.65	49.56		π^2 Oct
43325	75630	132.413	-40.320	5.47	-2.97	2.05	0.52	0.254	9.79	-9.76	-0.76	22.64		
17884	23475	57.380	+65.526	4.39	-2.97	3.38	0.63	0.186	14.20	-2.50	-13.98	19.92		
73334	132200	224.790	-42.104	3.13	-2.96	6.05	0.73	0.121	27.76	-17.76	-21.33	21.75		κ Cen
70574	126341	216.534	-45.221	4.56	-2.95	3.15	0.69	0.219	19.47	-13.51	-14.02	29.30		r^1 Lup
103632	200120	314.956	+47.521	4.74	-2.95	2.90	0.64	0.221	7.66	7.25	2.47	12.52		f^1 Cyg
64820	115211	199.304	-66.783	4.86	-2.94	2.75	0.62	0.225	16.53	-15.27	-6.34	28.50		
44626	78764	136.410	-70.539	4.66	-2.94	3.02	0.53	0.175	10.81	-4.36	9.89	16.97		
84970	157056	260.502	-24.999	3.27	-2.92	5.79	0.69	0.119	25.24	-8.84	-23.64	20.66		θ Oph
52154	92449	159.827	-55.603	4.29	-2.92	3.62	0.53	0.146	19.36	-18.87	4.31	25.35		x Vel
52419	93030	160.739	-64.394	2.74	-2.91	7.43	0.50	0.067	22.39	-18.87	12.06	14.29		θ Car
98194	189178	299.308	+40.368	5.46	-2.90	2.13	0.54	0.254	7.10	7.08	-0.47	15.79		
38872	65551	119.327	-44.110	5.08	-2.90	2.54	0.50	0.197	13.40	-11.48	6.92	25.02		N Pup
98068	188892	298.966	+38.487	4.95	-2.89	2.71	0.54	0.199	1.58	1.46	0.60	2.76		22 Cyg
51140	90677	156.704	-54.877	5.58	-2.87	2.04	0.50	0.245	14.60	-13.71	5.01	33.92		
30867	45725	97.204	-07.033	3.76	-2.87	4.72	1.10	0.233	8.58	-7.00	-4.97	8.62		β Mon
107348	206859	326.128	+17.350	4.34	-2.87	3.62	0.74	0.204	13.34	7.90	-10.75	17.47		9 Peg
39690	67582	121.668	-45.266	5.04	-2.86	2.63	0.51	0.194	12.20	-5.28	11.00	21.99		
78265	143018	239.713	-26.114	2.89	-2.85	7.10	0.84	0.118	28.37	-12.00	-25.71	18.94		π Sco
75097	137422	220.182	+71.834	3.00	-2.84	6.79	0.46	0.068	25.25	-18.03	17.68	17.63		γ UMi
59196	105435	182.090	-50.722	2.58	-2.84	8.25	0.79	0.096	47.96	-47.53	-6.42	27.56		δ Cen
104194	201251	316.650	+47.648	4.56	-2.83	3.32	0.55	0.166	6.58	6.51	-0.99	9.40		f^2 Cyg
38010	63465	116.854	-38.511	5.07	-2.83	2.63	0.53	0.202	10.99	-9.94	4.69	19.81		
101076	195295	307.349	+30.369	4.01	-2.82	4.30	0.52	0.121	6.90	6.87	-0.64	7.61		41 Cyg
31978	47839	100.244	+09.896	4.66	-2.82	3.19	0.73	0.229	2.60	-0.66	-2.51	3.86		15 Mon
27204	38666	86.500	-32.306	5.18	-2.81	2.52	0.55	0.218	22.82	3.01	-22.62	42.93		μ Col
114104	218376	346.653	+59.420	4.84	-2.81	2.95	0.53	0.180	7.05	6.77	-1.97	11.33		1 Cas
68002	121263	208.885	-47.288	2.55	-2.81	8.48	0.74	0.087	72.58	-57.14	-44.75	40.57		ζ Cen

