

TRIGONOMETRIC PARALLAXES

DERIVED FROM PHOTOGRAPHS TAKEN WITH THE TWENTY-INCH REFRACTOR
OF THE VAN VLECK OBSERVATORY
(Seventh List)

By CARL L. STEARNS

These parallaxes were determined from photographs taken with the 20-inch visual refractor of the Van Vleck Observatory of Wesleyan University, using a Wratten number 12 "minus blue"

filter, and Eastman IG or Super Panchro-Press plates. This list is a continuation of those published in earlier volumes of the *Astronomical Journal* (see Stearns 1951).

No.	Name	R.A. (1900) Decl.		Mag.	Proper Motion		Obs. in X	Relative Parallax and P.E.		No. of Plates	Comp. Stars
					Total Catalogue	in X		$\pm 0''.004$			
212	Wolf 1324	3 ^h 9 ^m 9	+37° 46'	<i>11</i>	1".36*	+0".55	+0".740	+0".030	$\pm 0''.004$	113	5
213	Wolf 204	3 33.6	+25 10	<i>11.5</i>	0.96	+0.60	+0.235	-0.002		10	46 5
214	Wolf 205	3 33.7	+25 10	<i>11.8</i>	0.97	+0.51	+0.235	+0.043		11	46 5
215	Wolf 1322	3 53.8	+25 49	13.5	0.78	+0.77	+0.735	+0.043		9	46 5
216	BD +52°857	4 29.8	+52 42	8.5	0.53	+0.27	+0.311	+0.088		7	42 4
217	LPM 201	4 57.9	-19 41	<i>12.0</i>	0.66*	+0.51	+0.526	-0.018		13	37 5
218	Wolf 1449	5 23.5	- 3 34	8.0	0.859	-0.323	-0.305	+0.063		6	43 6
219	Wolf 1450	5 24.9	- 3 30	12	0.58	-0.32	-0.286	+0.048		7	38 6
220	BD +62°780	5 36.3	+62 13	9.2	0.82*	+0.20	+0.309	+0.065		7	45 3
221	Wolf 1058	6 4.6	+25 58	<i>12</i>	0.52	+0.18	+0.151	+0.033		4	35 6
222	BD -5°1844	6 47.4	- 5 03	6.77	0.55	-0.55	-0.544	+0.109		7	38 5
223	Ross 54	6 59.6	-10 21	<i>11.2</i>	0.82	-0.11	-0.146	+0.048		10	43 6
224	Ross 986	7 3.3	+38 43	<i>13.3</i>	1.12*	-0.53	-0.443	+0.158		10	30 5
225	BD +21°1528	7 4.2	+21 25	7.24	0.51	-0.17	-0.167	+0.027		6	48 6
226	LFT 523	7 16.6	-15 09	<i>11.4</i>	0.56*	+0.33	+0.343	+0.015		5	48 4
227	BD +31°1684	7 47.2	+30 55	8.3	1.96	+0.72	+0.724	+0.027		7	41 5
228	BD +31°1781	8 12.0	+30 56	8.5	0.87	-0.30	-0.278	+0.042		4	44 6
229	X Cancri	8 49.8	+17 37	6.9	0.024*	-0.004	-0.012	+0.045		13	34 5
230	Ross 623	8 49.9	+ 1 57	9.5	1.09	+0.11	+0.069	+0.060		6	46 4
231	BD +9°2190	9 23.9	+ 9 04	<i>11</i>	0.40*	+0.23	+0.193	+0.002		6	43 4
232	S.A. 29, No. 130	9 40.3	+44 22	<i>13.1</i>	0.29*	0.00	-0.001	0.000		10	38 4
233	BD +63°869	9 48.8	+63 16	8.5	0.69	-0.29	-0.264	+0.079		7	37 4
234	BD -14°3277	11 6.4	-14 26	8.9	0.92	+0.71	+0.696	+0.037		9	36 5
235	Wolf 385	11 17.2	+15 01	9.4	0.57	-0.57	-0.476	+0.024		12	32 4
236	Ross 800	14 3.8	+ 5 01	<i>10</i>	0.45	+0.25	+0.271	+0.004		10	52 4
237	Wolf 851	18 36.5	+ 0 52	12	1.90	+0.33	+0.032	+0.004		7	36 4
238	Ross 160	18 47.7	+16 28	<i>11.4</i>	0.55*	-0.30	-0.234	+0.078		4	87 5
239	BD +32°3267	18 53.3	+32 46	5.21	0.230*	+0.165	+0.178	+0.035		9	34 4

The magnitudes in the fifth column are in general taken from the same sources as the catalogue proper motions, but for stars whose magnitudes are given to two decimal places the source is the Henry Draper Catalogue. Magnitudes in italics are photographic. The catalogue proper motions in the sixth and seventh columns are taken from *Publications of the Cincinnati Observatory*, No. 20, except for the stars indicated by an asterisk in the sixth column for which the sources are given as notes to the table.

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212 *A. N.* 219, 186.

217, 224, 226, 238 Luyten, *A Catalogue of 1849 Stars with Proper Motions Exceeding 0".5 Annually*, 1955.

220 *A. J.* 47, 112.

229 *Trans. Yale Astr. Obs.* 18, 1947.

231 *Pub. Astr. Obs. U. Minn.* 3, No. 4, 1944.

232, 239 *General Catalogue of Trigonometric Stellar Parallaxes*, 1952.

REFERENCE

Stearns, Carl L. 1951, *A. J.* 56, 86.

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