THE CATALOGUE
OF CORRECTIONS TO THE DECLINATIONS OF 186 FK4 STARS

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Received during the observations of stars the program DS of 895 observations of 186 supporting stars have become the basis for comparing of a catalogue of corrections to the declinations of stars FK4 in the accidental relation.

The observations of reference stars have been treated as the observations of determined. Two catalogues of corrections have been made: for the position of an instrument "circle-east" and "circle-west". The comparison of each of them with FK4 did not show any advantage of the position of the instrument and the final catalogue has been compiled as an average from two.

The mean root square error of one determination for corrections to the declination was ± 0.34", the mean root square error of the catalogue position is ± 0.15".

The dependencies of the determination errors from declination and the magnitude of stars have been investigated. The systematic changes have not been discovered.

The comparison our catalogue of corrections with FK4 showed that systematic differences appeared less then 0.05".

The catalogue of corrections to the declinations of 186 stars FK4 consist of the following columns:

N   – number of a star in FK4;
Δ – correction of the declination FK4;
1980+ – middle epoch of observations;
n   – number of observations.

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N	Δ	1980+	n	N	Δ	1980+	n
1002	-22	4.25	12	1080	34	3.95	1
7	30	3.74	3	116	15	4.43	12
9	3	3.74	2	1093	14	4.44	12
1010	-10	4.16	5	121	19	4.42	9
13	-22	4.26	8	1097	31	3.95	1
1019	14	4.51	8	1101	12	3.98	2
1022	-49	3.80	1	135	15	3.95	1
1024	7	4.35	4	137	-24	4.52	3
36	-62	4.28	2	1107	10	4.42	4
40	-28	4.52	4	151	-5	4.44	11
1034	2	4.38	13	154	4	4.54	3
1037	62	3.80	1	1120	-1	3.84	1
50	26	4.28	10	169	7	4.88	3
1046	10	3.86	2	1131	43	4.92	3
1049	5	4.20	3	176	-3	4.61	4
59	-47	3.80	1	1134	-30	4.65	8
62	17	3.80	1	180	37	4.84	1
1051	61	3.93	2	1142	0	4.84	5
1058	-13	4.27	8	194	4	5.19	3
1061	-25	4.47	12	1147	0	4.40	2
1066	-10	4.38	16	206	11	4.83	3
1071	20	3.95	1	208	16	4.92	3
91	-18	4.28	9	1155	-30	4.86	1
98	-2	4.35	12	1161	21	5.20	1
1079	36	3.95	1	230	-4	3.92	2
1169	-6	4.93	5	1257	-74	5.25	1
244	1	4.48	4	378	-10	4.71	6
1175	27	4.99	3	1261	5	5.26	2
251	14	4.60	2	381	-16	4.79	7
258	8	5.08	3	1274	-5	4.74	7
1179	1	5.02	2	404	36	4.33	1
1181	-37	5.09	5	409	0	4.34	2
1185	-11	4.74	6	1284	12	4.80	6
1192	-6	4.81	7	423	2	4.66	6
1193	-12	4.84	3	1292	46	4.26	1
289	20	4.92	12	437	-4	4.83	8
1201	10	5.08	2	445	-9	4.79	13
304	-12	4.55	2	1311	6	4.92	9
1213	14	5.26	1	1313	5	5.17	5

N	Δ	1980+	n		N	Δ	1980+	n
312	44	4.91	3		460	9	5.36	3
1216	6	5.19	1		1317	7	4.88	8
1218	16	5.24	2		1326	-28	5.37	2
316	11	4.99	3		1330	23	4.96	8
325	0	5.19	5		484	-12	5.40	3
337	13	4.26	1		490	51	5.43	1
1235	-12	4.52	4		1344	3	4.92	7
1238	-19	4.76	2		1351	-9	4.92	2
347	9	4.95	10		1355	5	4.79	12
1250	10	4.76	4		1359	-29	4.74	13
370	11	4.72	8		516	22	4.68	10
525	-15	4.29	5		1461	-37	4.21	3
1371	1	4.88	4		665	11	4.03	6
1374	9	4.58	7		1466	25	3.88	3
1375	15	4.66	9		673	-17	3.59	1
533	-3	4.76	11		677	5	3.87	3
1381	6	4.52	7		680	-2	4.50	4
1390	-8	4.41	2		1472	-4	4.57	3
1393	-30	4.42	10		1475	5	4.33	5
562	2	4.94	4		696	25	3.58	1
1406	18	4.47	12		1480	-14	4.50	3
1408	-24	4.62	10		1484	36	3.58	1
582	-22	4.48	4		1489	59	4.60	1
588	-5	4.48	4		709	12	4.13	12
1420	39	3.83	3		716	52	4.60	1
603	-6	5.14	3		1500	0	4.09	2
1427	3	4.55	11		725	22	4.09	2
1429	-32	3.48	1		730	-2	4.15	5
1433	16	3.48	1		1509	-39	4.09	2
622	-2	4.80	3		737	11	4.10	4
1436	-4	4.25	19		741	26	3.86	5
1442	31	4.28	10		1519	22	4.09	2
1445	37	4.20	5		1524	53	3.88	4
1450	14	4.04	3		756	-6	3.88	4
1453	-16	4.16	13		1527	-67	3.86	3
647	-9	3.48	1		761	26	4.24	2
1531	-17	4.00	9		15**	-11	4.82	1
1533	12	4.24	11		850	-14	4.36	11
1537	-18	4.24	6		855	24	4.82	1
774	-22	4.24	2		1598	3	3.78	1
1545	-59	3.67	1		864	19	4.67	3

N	Δ	1980+	n
789	-28	4.42	4
1555	32	4.42	2
800	18	4.42	2
1564	-4	4.31	15
1569	14	4.54	7
1574	9	4.18	13
1577	2	4.39	3
826	-14	4.33	7
827	12	4.43	6
834	-31	4.30	2
840	16	4.20	15
843	1	4.21	3
1585	-37	4.30	2

N	Δ	1980+	n
866	24	4.30	2
1602	21	4.52	5
1606	12	4.30	2
878	22	4.57	2
1609	-16	4.30	2
885	0	4.30	2
888	-8	4.30	2
1620	42	3.86	2
894	-52	4.82	1
1623	23	3.78	1
897	-10	4.10	8
1625	-6	4.45	3
902	4	4.34	9