INTERNATIONAL ASTRONOMICAL UNION COMMISSION 26

(DOUBLE STARS)

INFORMATION CIRCULAR No. 148 (OCTOBER 2002)

NEW ORBITS

ADS $\alpha2000\delta$	Name n	P a	T i	e ω	$\Omega(2000)$ Last ob.	2002 2003	Author(s)
1232 01343-0827	A 314 3°6787	97ʸ86 0″286	1989.23 119°1	0.632 220°9	8°0 1996.9009	15°7 0″257 14.1 0.272	LING
2111 02460-0457	BU 83 0.5673	634.52 1.342	2447.62 120.	0.173 339.5	136.2 1993.99	18.6 0.787 17.8 0.792	OLEVIC
2242 02572-2458	BU 741 AB 2.1898	164.40 1.274	1868.23 81.0	0.442 262.8	164.8 1999.779	338.4 1.06 338.9 1.07	SCARDIA
03494-1956	RST 2324 6.1037	58.98 0.196	1997.07 140.8	0.479 186.4	154.0 1993.097	250.8 0.107 237.8 0.116	OLEVIC
2799 03503+2535	STT 65 5.9416	60.59 0.437	1998.32 83.9	0.641 344.6	26.2 1999.8831	47.1 0.074 82.4 0.038	DOCOBO & LING
2811 03513+2621	A 1830 1.2974	277.47 0.256	1962.03 80.7	0.516 97.4	10.5 1995.932	195.9 0.204 196.2 0.204	OLEVIC
04093-2025	RST 2333 3.7763	95.33 0.398	2016.30 81.0	0.396 231.2	14.6 1993.098	184.5 0.242 185.9 0.253	OLEVIC
04163-6057	GLE 1 1.6477	218.49 0.598	1999.55 39.3	0.534 25.7	144.3 1999.784	178.5 0.256 184.4 0.253	OLEVIC
05248-5219	I 345 AB 5.3500	67.29 0.207	1999.66 121.8	0.611 57.2	1.6 1993.089	230.7 0.062 212.6 0.086	OLEVIC
5477 06485-1226	A 2935 3.5470	101.50 0.266	1991.73 130.6	0.295 84.5	143.4 1993.089	345.1 0.197 341.2 0.207	OLEVIC
06573-3530	I 65 21.4541	16.78 0.206	1992.49 36.3	0.443 250.1	120.0 1997.1172	198.3 0.238 210.4 0.228	DOCOBO & LING

ADS α2000δ	Name n	P a	T i	e ω	Ω(2000) Last ob.	2002 2003	Author(s)
5687 07003-2207	FIN 334 Aa 3.4116	105.52 0.129	2045.95 110.6	0.281 282.7	127.1 1993.0897	337.0 0.096 335.9 0.099	OLEVIC I
5687 07003-2207	FIN 334 Aa 0.9338	385.516 0.278	1958.16 107.3	0.568 1.9	121.9 1993.0897	340.9 0.101 339.3 0.106	OLEVIC II
5703 07013-0906	A 671 1.0017	359.41 0.523	2007.55 115.4	0.677 42.4	17.7 1993.0898	15.4 0.183 12.8 0.176	OLEVIC
07143-2621	FIN 323 1.4951	240.79 0.227	1972.43 73.7	0.644 48.4	152.0 1996.175	329.5 0.201 329.9 0.205	OLEVIC
11247-6139	BSO 5 0.9014	399.37 5.672	1918.37 49.5	0.668 17.9	75.1 1996.167	244.5 6.88 244.8 6.93	SCARDIA
11441-0448	RST 5524 6.7035	53.70 0.154	1982.09 58.9	0.462 333.3	0.1 1997.1317	151.4 0.167 153.9 0.175	MANTE
11441-0448	RST 5524 6.7566	53.28 0.150	1984.24 51.4	0.505 335.7	10.8 1997.1317	155.5 0.178 158.3 0.178	OLEVIC
12064-6543	FIN 367 Aa 5.1135	70.40 0.185	2022.74 115.9	0.697 278.9	154.4 1993.093	18.4 0.166 16.2 0.167	OLEVIC
12446-5717	FIN 65 3.0242	119.04 0.273	2065.33 113.3	0.474 115.4	60.8 1993.093	107.1 0.206 105.3 0.211	OLEVIC
12567-4741	I 83 1.8876	190.72 0.523	1920.95 41.7	0.766 336.3	73.3 1997.118	230.5 0.86 230.9 0.86	SCARDIA
13320-6519	FIN 369 7.6669	46.96 0.185	1992.38 52.2	0.067 311.1	44.8 1993.098	66.0 0.165 72.1 0.158	OLEVIC
13574-6229	FIN 370 13.7962	26.09 0.177	1967.07 133.2	0.106 142.6	101.1 1993.0984	185.1 0.129 168.3 0.136	OLEVIC
9158 14124+2843	STT 277 AB 1.0676	337.20 0.548	2012.29 65.6	0.858 88.1	70.4 1997.1266	58.6 0.207 60.3 0.197	OLEVIC
14189+5452	CHR 137 28.7481	12.52 0.081	1991.48 118.2	0.622 185.9	26.3 1997.1320	352.4 0.058 304.6 0.027	OLEVIC

NEW ORBITS (continuation)

ADS $\alpha 2000 \delta$	Name n	P a	T i	e ω	Ω(2000) Last ob.	2002 2003	Author(s)
10279 16564+6502	STF 2118 AB 0.8526	422.22 1.044	1838.91 96.0	0.143 216.2	68.3 2000.414	67.8 1.16 67.7 1.16	SCARDIA et al. (*)
 18323-1439	CHR 73 64.0342	5.62 0.167	1991.04 97.5	0.881 278.8	48.8 1992.455	234.4 0.081 25.3 0.057	OLEVIC
 20151+3742	COU 2416 6.2489	57.61 0.234	1996.31 33.9	0.541 229.0	128.5 1996.6986	99.1 0.168 106.7 0.187	DOCOBO & LING
 21593+4606	COU 2138 9.2831	38.78 0.212	2015.46 126.3	0.001 97.1	171.6 2000.7644	189.1 0.196 182.9 0.205	MANTE
 21593+4606	COU 2138 9.0703	39.69 0.220	2003.71 116.3	0.176 204.6	10.6 2000.7644	189.6 0.183 183.7 0.177	DOCOBO & LING
 22329 +5348	KUI 112 Aa 7.0713	50.91 0.489	1970.40 34.1	0.668 298.9	127.6 1999.507	263.8 0.708 265.9 0.702	DOCOBO & LING
16650 23176+1818	HU 400 2.0731	173.66 0.409	1881.16 130.8	0.310 76.3	46.2 2000.813	96.7 0.36 95.0 0.36	SCARDIA et al. (*)

(*) SCARDIA, PRIEUR, KOECHLIN and ARISTIDI

ANNOUNCEMENTS

THE CATALOGUE OF THE COMPONENTS OF DOUBLE AND MULTIPLE STARS (CCDM) (SECOND EDITION - 2002)

A second edition of the CCDM has been released (under reference I-274) at the Centre de Données Astronomiques (CDS) at Strasbourg at the beginnig of this year. A full description is at press in "OBSERVATIONS ET TRAVAUX" n 54, pp.5-29 (*) - a bulletin of the SOCIETE ASTRONOMIQUE DE FRANCE - which will come out at the end of september.

This recent edition contains:

- 171 astrometric systems

- 43.753 double systems

- 4.138 triple systems

- 903 quadruple systems

- 360 systems with more than four components

thus a total of nearly 50.000 systems, whereas the first edition published in 1994 - that served as data base for establishing Annexe 1 of the Hipparcos Input Catalogue (ESA SP 1136) - contained only 34.031 systems.

We should recall that, as in the case of the first edition, this catalogue gives the positions of the principal component and - when available - of all other indivual ones of each system to an acuracy generally better than $1''$.

It contains all new systems discovered by the satellite and all new components discovered in known systems.

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(*) May be ordered for 9 Euros at the Société Astronomique de France, 3, rue Beethoven, F - 75016 PARIS.

J.Dommanget & O.Nys

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THE SURVEY OF THE DOUBLE STARS MEASUREMENTS DISCOVERED IN BELGRADE WITH ZEISS REFRACTOR 65/1055 cm, (2002.5)

At the website " http://www.aob.bg.ac.yu/staff/gpopovic/index.html" all measurements of double and multiple stars discovered in Belgrade at Zeiss Refractor 65/1055 cm in the 1951 - 2002 (July, 1st) period are given.

The file was prepared by G.M. Popovic, R Pavlovic and I. Pakvor.

The size of database is about 320Kb and it can be downloaded.

G. M. Popovic and R. Pavlovic

Since the Summer of 2001 the Iberoamerica League of Astronomy (LIADA) has a double star section which is formed only by amateurs. This section is headed by Francisco Rica (Mérida – Spain–) and has as principal objetives the astrometric realization and study (relative – θ and ρ – and absolute – AR, DEC and proper motions –) and photometry (JHKBV band) of neglected or unconfirmed visual double stars. Every three months the results are published in the section's circular in addition to other specialized journals (Webb Society circulars and The Double Star Observer). The results will be sent to Brian Mason (USNO) to be included in the WDS catalogue. The first circular, of 23 pages, was edited in March 2001 and includes the confirmation of 11 double stars, some of them not measured since 1820-1830. Six of the program double stars could not be confirmed. In astrometry 23 double stars were measured from a total of 155 individual measures averaged in 43 measurements. For astrometry, photographics plates were used from DSS and digitized images from 2MASS in addition to a 0.3 m telescope with CCD. The mean internal errors were $0°2$ and $0''07$. The B and V band photometry were made for 13 double stars. A brief study of all measured doubles showed the suspect physical nature of several of them, and also showed errors in WDS. A section with news on double stars close this circular.

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The deadline for contributions to Information Circular No. 149 is:

February 15th 2003

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