

Observatorio Astronómico Ramón María Aller

INTERNATIONAL ASTRONOMICAL UNION COMMISSION 26 (DOUBLE STARS)

INFORMATION CIRCULAR No. 137 (FEBRUARY 1999)

NEW ORBITS

ADS	Name	P (yr)	T	e	W(2000)	1999	Author
RA 2000 DEC	n (deg)	a (")	i (deg)	w (deg)	Last ob.	2000	
1227	A 1913 AB	275.5	2088.9	0.188	117.2	135.4 0.295	MANTE
01345+3440	1.3067	0.33	111.2	94.3	1991.25	134.8 0.297	
--	KUI 39	73.17	2020.48	0.463	63.5	138.3 0.569	MANTE
09175+7715	4.9198	0.592	137.8	67.7	1991.25	134.8 0.562	
--	COU 2416	61.68	1992.74	0.446	81.7	41.0 0.165	MANTE
20151+3742	5.8366	0.283	52.7	221.2	1993.663	49.2 0.189	
13611	A 2095 AB	105.51	1916.57	0.890	138.4	151.7 0.233	LING
20157+4339	3.4120	0.454	94.9	94.6	1997.68	151.2 0.236	
--	COU 537	45.43	1993.67	0.578	63.4	264.1 0.145	DOCOBO
22077+2622	7.9243	0.180	39.5	94.9	1995.607	271.2 0.156	& LING
15707	STT 464	1360.20	1985.74	0.557	51.9	171.6 0.265	LING &
22113+4010	0.2647	0.900	52.8	94.3	1995.79	173.1 0.268	PRIETO

ANNOUNCEMENT

The CATALOGUE DE 2700 ETOILES DOUBLES COU is now available. This is the third updated edition of COU double stars catalogue, revised and including trigonometric parallaxes, astrometric and photometric parameters measured by Hipparcos satellite for 800 COU stars.

It can be obtained upon request from:
Observatoire de la Cote d'Azur
P. O. Box 4229
06304 Nice Cedex, France
The price is 400 FFr

P. Couteau

PAPERS PUBLISHED IN 1998

- 1) ABAD, C., DOCOBO, J. A. & DELLA PRUGNA F.: "CCD and micrometric observations of visual double stars". *Astron. Astrophys. Suppl. Ser.* 133, 71-79 (1998)
- 2) ALZNER, A.: "Measurements of double stars 1993.67 - 1998.13". *Astron. Astrophys. Suppl. Ser.* 132, 237-252 (1998)
- 3) ALZNER, A.: "Orbital elements of 9 visual double stars". *Astron. Astrophys. Suppl. Ser.* 132, 253-254 (1998)
- 4) ANGELOV, T.: "On the distribution of visual double stars". *Serbian Astronomical Journal*, 157, 31-34 (1998)
- 5) BARLOW, D. J., SCARFE, C. D. & FEKEL, F. C.: "Physical properties of the binary star 12 Persei." *Astron. J.* 115, (6), 2555-2560 (1998)
- 6) BENEST, D.: "Planetary orbits in the elliptic restricted problem. IV. The ADS 12033 system". *Astron. Astrophys.* 332, 1147-1152 (1998)
- 7) CARBILLET, M. et al.: "Speckle imaging of binary stars: Use of ratios of twofold probability density functions". *Astron. Astrophys. Suppl. Ser.* 127, 569-580 (1998)
- 8) DOCOBO, J. A.: "Micrometer measurements of double stars from the Spanish observatories at Calar Alto and Santiago de Compostela". *Astron. Astrophys. Suppl. Ser.* 130, 117 (1998)
- 9) DOCOBO, J. A. et al.: "Photometric and polarimetric observations of double and multiple stars". *Astrofizika* 41, 389-398 (1998)
- 10) FERNANDES, J. et al.: "Fundamental stellar parameters for nearby visual binary stars: ϵ Cas, ξ Boo, 70 Oph and 85 Peg". *Astron. Astrophys.* 338, 455-464 (1998).
- 11) FRANZ, O. G. et al. : "The first definitive binary orbit determined with the Hubble Space Telescope fine guidance sensors: WOLF 1062 (Gliese 748)" *Astron. J.* 116, (3), 1432-1439 (1998)
- 12) HEINTZ, W.D.: "Observations of double stars. XVIII". *Astrophys. J. Suppl. Ser.* 117, 587-598 (1998).
- 13) HERSHEY, J. L. & TAFF, L. G. : "Hubble Space Telescope fine guidance sensor astrometry of the low-mass binary L722-22." *Astron. J.* 116, (3), 1440-1446 (1998)
- 14) HUMMEL, C. A. et al. : "Navy prototype optical interferometer observations of the double stars Mizar A and Matar." *Astron. J.* 116, (5), 2536-2548 (1998)
- 15) IZMAILOV, I. S. et al.: "Using a CCD camera in Pulkovo programs of observations of binary and multiple stars and satellites of major planets with the 26-inch refractor". *Astron. Letters* 24 (5), 665-672 (1998).
- 16) KIYAEVA, O. V., TOKOVININ, A. A. & KALINICHENKO, O. A.: "The triple system ADS 9167". *Astron. Letters* 24 (6), 753-757 (1998).
- 17) LING, J. A. & PRIETO, C: "Micrometer measurements of southern double stars made at the national Observatory of Llano del Hato, Venezuela". *Rev. Mexicana Astron. Astrof.* 34, 111-115 (1998)
- 18) MALKOV, O., PISKUNOV, A. & ZINNECKER, H.: "On the luminosity ratio of pre-main sequence binaries". *Astron. Astrophys.* 338, 452-454 (1998).

- 19) MARTIN, C. & MIGNARD, F.: "Mass determination of astrometric binaries with Hipparcos. II Selection of candidates and results". *Astron. Astrophys.* 330, 585-599 (1998)
- 20) MARTIN, C. et al. : "Mass determination of astrometric binaries with Hipparcos. III New results for 28 systems". *Astron. Astrophys. Suppl. Ser.* 133, 149-162 (1998)
- 21) MASON, B. D. et al.: "ICCD Speckle Observations of Binary Stars XIX. An Astrometric/Spectroscopic Survey of O Stars." *Astron. J.* 115, (2), 821-847 (1998).
- 22) MASON, B. D. et al.: "A multiplicity survey of chromospheric active and inactive stars." *Astron. J.* 116, (6), 2965-2974 (1998).
- 23) OLEVIC, D. & JOVANOVIĆ, P.: "New and recalculated orbital elements of 5 double stars". *Serbian Astronomical Journal* 158, 73-79 (1998)
- 24) PETR, M. G. et al. : "Binary stars in the Orion trapezium cluster" *Astrophys. J.* 500, 825-837 (1998)
- 25) POPOVIĆ, G. M.: "Inclination of the Orbital Planes of Visual Binaries". *Serbian Astronomical Journal*, 157, 13-17 (1998)
- 26) POPOVIĆ G. M., PAVLOVIĆ, R. & ŽIVKOV, V.: "Catalogue of Double Star Observations made at the Belgrade Observatory - CDSO". *Publ. Astron. Obs. Belgrade*, 60, 114-117 (1998)
- 27) POPOVIĆ, G. M. & PAVLOVIĆ, R.: "Micrometer and CCD measurements of double stars (Series 51).", *Serbian Astronomical Journal*, 158, 67-71 (1998)
- 28) POURBAIX, D.: "Simultaneous least-squares adjustment of visual and spectroscopic observations of binary stars". *Astron. Astrophys. Suppl. Ser.* 131, 377-382 (1998)
- 29) SCHOELLER, M. et al.: "Diffraction-limited speckle masking interferometry of binary stars with the SAO 6-m telescope". *Astron. Letters* 24 (3), 283-287 (1998).
- 30) SHATSKII, N. I.: "The nature of visual components in 82 multiple systems". *Astron. Letters* 24 (2), 257-269 (1998).
- 31) SHATSKII, N. I. & TOKOVININ, A. A.: "A test of Hipparcos parallaxes on multiple stars". *Astron. Letters* 24 (5), 673-676 (1998).
- 32) SINACHOPOULOS, D & VAN DESSEL, E.: "CCD astrometry and UBV photometry of visual binaries. II. Visual double stars with mainly G-type primaries and relatively small angular separation". *Astron. Astrophys. Suppl. Ser.* 130, 229-304 (1998)
- 33) THOREL J.-C.: "Measures of visual double stars made with the 50 cm refractor at the Nice Observatory (2nd series)". *Astron. Astrophys. Suppl. Ser.* 132, 29-30 (1998)
- 34) TOKOVININ, A. A.: "On the distribution of orbital eccentricities of wide visual binary stars". *Astron. Letters* 24 (2), 178-179 (1998).
- 35) TOKOVININ, A. A.: "New spectroscopic components in six multiple systems". *Astron. Letters* 24 (3), 288-295 (1998).
- 36) TOKOVININ, A. A., SHATSKII, N. I. & MAGNITSKII, A. K.: "ADS 9731: A new sextuple system". *Astron. Letters* 24 (6), 795-801 (1998).
- 37) VALTONEN, M. J.: "Mass ratios in multiple star systems". *Astron. Astrophys.*

334, 169-172 (1998)

38) WORLEY, C. E. & MASON, B. D. : "Micrometer measures of double stars." Astron. J. 116, (2), 971-930 (1998)

The deadline for contributions to Information Circular No. 138 is:

June 15th 1999

J. A. Docobo (oadoco@usc.es)

J. F. Ling (oafana@usc.es)

Fax: (81) 59 70 54

Observatorio Astronomico "R. M. Aller"

P. O. Box 197

Universidade de Santiago de Compostela

SPAIN

ISSN: 1024-7769