

INTERNATIONAL ASTRONOMICAL UNION

COMMISSION G1 (BINARY AND MULTIPLE STAR SYSTEMS)

DOUBLE STARS INFORMATION CIRCULAR No. 206 (FEBRUARY 2022)

NEW ORBITS											
WDS HIP	Name ADS	P(yr) σ_P	T(yr) σ_T	e σ_e	a(") σ_a	i(°) σ_i	Ω (°) σ_Ω	ω (°) σ_ω	2022 2023	Author(s) Last obs.	
00463-0634 3612	HDS 101	28.50 0.50	2010.23 0.08	0.707 0.005	0.090 0.004	20.3 1.0	13.2 6.0	185.7 12.0	11.3 0.150 14.3 0.153	D et al. 2021.7321	
18150-5018	I 429	69.81 2.00	1946.53 0.85	0.887 0.010	0.096 0.003	66.1 3.0	320.1 6.0	355.9 10.0	123.1 0.067 124.8 0.076	D et al. [I] 2021.3163	
18150-5018	I 429	150.00 10.00	1983.42 15.00	0.098 0.035	0.252 0.020	86.7 2.0	137.3 6.0	0.0 35.0	304.0 0.062 305.9 0.072	D et al. [II] 2021.3163	
19026-2953 93506	HDO 150 AB 11950	21.03 0.10	2026.83 0.20	0.209 0.002	0.493 0.002	110.8 0.5	74.8 1.0	4.0 3.5	196.9 0.205 151.7 0.171	D et al. 2021.5653	
22586-4531 113454	HU 1335	43.80 0.50	2016.07 0.15	0.448 0.004	0.328 0.003	57.9 0.5	82.3 0.5	196.6 0.5	36.4 0.188 46.3 0.225	D et al. 2019.5367	
23328-1645 116191	VOU 28 BC	44.28 0.35	2025.57 0.10	0.234 0.003	0.823 0.002	89.4 0.5	176.7 0.5	243.6 1.5	356.9 0.639 357.0 0.566	D et al. [I] 2021.5656	
23328-1645 116191	VOU 28 BC	44.26 0.35	2025.51 0.10	0.247 0.003	0.836 0.002	90.2 0.5	176.9 0.5	243.3 1.5	356.8 0.643 356.8 0.569	D et al. [II] 2021.5656	
23529-0309 117761	FIN 359	23.01 0.25	2012.04 0.10	0.422 0.003	0.078 0.002	139.0 0.5	28.3 0.5	300.9 1.0	272.6 0.086 264.2 0.090	D et al. 2021.5656	

D et al. = DOCOBO, CAMPO, MÉNDEZ & COSTA

NEW DOUBLE STARS

Discovered by André Debackère using LCO global telescope network.

- T04: OGG0m4-06, Haleakala, Hawaii, LCO
- F65 : Faulkes Telescope South T2m, Hawaii, LCO

STAR	Precise Coord	GAIA-EDR3 Id.	G Mag.	Plx e-plx	pmRA e-pmRA	pmDE e-pmDE	Epoch	θ ($^{\circ}$)	ρ ($''$)	Obs
DBR 326 A	044839.413+321218.15	161067497009695744	15.36	0.6083	1.712	-5.481	2021.857	140.34	3.294	2F65
B	044839.579+321215.62	161067497009696000	15.83	0.0330	0.040	0.032		± 0.63	± 0.009	
DBR 327 A	045203.002+321259.84	160410229574252032	16.02	0.6613	2.276	-6.106				
B	045202.966+321256.10	160410229574252544	16.19	0.0395	0.049	0.038				
				0.9665	0.375	-10.869	2021.834	187.51	3.806	2F65
				0.0583	0.065	0.039		± 0.45	± 0.002	
				1.0277	0.434	-10.969				
				0.0612	0.068	0.041				
DBR 328 A	045729.899+315626.10	160520043298214656	13.06	1.0649	4.326	-7.449	2021.752	108.74	5.066	1F65
B	045730.274 +315624.49	160520043299412480	13.77	0.0164	0.018	0.013		± 0.27	± 0.029	
				1.0796	4.337	-7.501				
				0.0187	0.020	0.015				
DBR 329 A	214021.016+051343.45	2698682197238389248	14.51	1.0784	-24.958	-9.715	2021.869	303.93	5.478	1F65
B	214020.710+051346.53	2698682197238389376	17.25	0.0236	0.027	0.021		± 0.25	± 0.038	
				1.0126	-25.536	-10.515				
				0.0926	0.110	0.082				
DBR 330 A	230339.619-241345.77	2384120682264361472	14.59	2.0388	12.419	-13.967	2021.749	165.92	10.122	1T04 (1)
B	230339.812 -241355.67	2384120682264361344	15.13	0.0236	0.028	0.023		± 0.43	± 0.233	
				2.0385	12.194	-13.923				
				0.0282	0.036	0.029				

(1) in NGC 7479 field

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ROGER F. GRIFFIN (1935 - 2021)

A complete Obituary was published by Elizabeth Griffin in The Observatory (2021, vol. 141, No. 1285, 322-332).

The present text is presented for publication in the IAUDS Circular in order to recognize the death of a colleague who was a reference in Spectroscopic Binary research, above all. In addition, from our personal perspective, we want to acknowledge Roger for his important collaboration with our group. He received our Doctoral students with great hospitality at Cambridge and he coauthored publications with us, combining his Spectroscopic solutions with our visual orbits. Above all, we remember Roger for his friendship and for being a good man.

Now, every time that we receive a new issue of The Observatory, we miss Roger's ample and rigorous articles concerning observations and orbits. We completely agree with Elizabeth in that "we have lost an astute observer, a gifted instrument user and adjuster, a deep intelligence of things astrophysical, an encyclopedic knowledge of bright stars, and a compulsive proof-reader."

May he rest in peace.

José Ángel Docobo

DIMITRI POURBAIX (1969 - 2021)

Dimitri Pourbaix, the newly elected Vice-President of IAU Commission G1 on Binary Stars, passed away on 14 November 2021 after complications from cardiac surgery last April.

He was born in Charleroi, Belgium on 22 May 1969 and was working as Senior Research Associate of the National Fund for Scientific Research (FNRS) at the Université Libre de Bruxelles (Belgium).

Since obtaining his Ph.D. in Astronomy from the Université de Liège in 1998, he was a specialist in the determination of the orbital parameters of binaries. He was the Manager of the 9th Catalog of Orbits of Spectroscopic Binaries for the former IAU Commission 26. With the advent of the Hipparcos Catalog, he also made a speciality of reprocessing the data to improve the information for some specific types of stars (Binaries, C stars, Oxygen-rich Mira Variables, substellar companions, ...). All these works were the subject of the aggregation thesis he defended in 2007. In addition, he was fond of scientific computing and optimization problems.

Since 2006, he led the Belgian participation in the GAIA data processing consortium and was principally dedicated to the management of the Coordination Unit devoted to object processing. Sadly, he will never see the publication of the long-awaited Catalog of Binary Stars due for GAIA DR3 next year to which he contributed significant effort.

In addition to his scientific activities, he also enjoyed public outreach, sharing his passion with lectures (“Cours Public d’Astronomie”) and observing nights.

Dimitri had a rich personality and was a connoisseur of the good things in life. His colleagues remember that the conversations with him could be energetic and tough while he personally was generous, benevolent, and kind. He was a dedicated husband and the father of a young son.

Past affiliations within the IAU:

- Vice-President of IAU Commission G1 on Binary Stars (2021)
- Past Steering Committee Member of Division A, Fundamental Astronomy (2012-2015)
- Past President of the former IAU Commission 30 (Radial Velocities) (2012-2015).
- Past Chair of Commission 26 WG Catalog of Orbital Elements of Spectroscopic Binary Systems (until 2015)
- Past Organizing Committee Member of Commission 26 Double & Multiple Stars (2006-2012)

Frédéric Arenou

The deadline for contributions to Information Circular No. 207 is:

June 15th 2022

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