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Orbital elements of double stars: BU 1082, STT 260, A 632

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INTERNATIONAL ASTRONOMICAL UNION
 COMMISSION G1 (BINARY AND MULTIPLE STAR SYSTEMS)
 DOUBLE STARS INFORMATION CIRCULAR No. 208 (OCTOBER 2022)

NEW ORBITS

WDS HIP	Name ADS	P(yr)	T(yr)	e	a(")	i(°)	Ω(°)	ω(°)	2022		Author(s) Last obs.
		σ_P	σ_T	σ_e	σ_a	σ_i	σ_Ω	σ_ω	2023		
00003-4417 25	I 1477 -	151.18 6.35	2039.47 0.36	0.451 0.023	0.353 0.011	50.0 1.5	135.3 1.0	331.1 4.5	2.3 6.2	0.216 0.204	D et al. 2022.4418
13007+5622 63503	BU 1082 8739	106.60 0.20	2027.50 0.13	0.375 0.003	1.215 0.028	46.2 0.4	90.1 0.7	118.8 0.7	161.3 171.3	0.580 0.555	S et al. 2022.375
13081+2657 84092	STT 260 8791	362.7 19.1	1996.30 0.16	0.814 0.008	0.532 0.020	31.9 2.1	3.7 3.8	278.6 3.9	47.7 48.8	0.346 0.354	S et al. 2022.416
17240-0921 85141	RST 3972A _a ,A _b -	15.280 0.050	2021.2690 0.030	0.5726 0.0025	0.1473 0.0010	24.6 1.5	61.6 2.4	24.3 5.7	151.0 197.2	0.073 0.115	D et al. 2022.1954
20073-5127 99114	RST 1059 -	163.28 7.00	2014.04 1.66	0.274 0.004	0.1717 0.0020	18.1 3.0	95.2 15.0	117.6 20.0	245.4 249.1	0.127 0.128	D et al. 2022.4414
21466-5742 107522	FIN 283 -	6.2297 0.0150	2026.418 0.010	0.6525 0.0033	0.2008 0.0008	140.20 0.50	281.13 0.50	169.17 2.00	308.3 293.4	0.270 0.325	D et al. 2022.4415
22520+5743 112915	A 632 16326	107.30 0.21	2038.86 0.21	0.844 0.003	1.136 0.008	103.9 0.2	21.5 0.4	69.6 0.2	89.9 85.3	0.351 0.350	S et al. 2022.622
23227-1502 115346	HU 95 16700	176.2 10.0	2117.38 0.35	0.441 0.010	0.425 0.010	141.5 3.0	30.4 1.0	300.5 2.0	270.7 269.7	0.501 0.504	D et al. 2022.4445

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

S et al. = SCARDIA, PRIEUR, LING, PANSECCHI, ARGYLE, ARISTIDI, ZANUTTA,
 ABE, BENDJOYA, RIVET, VERNET & MACCARINI

NEW DOUBLE STARS

Discovered by: Marco Scardia using the speckle camera PISCO attached to the Epsilon telescope of the Calern Observatory

STAR	Coord. FK5 J2000	Mag.	Epoch (Julian)	θ ($^{\circ}$)	ρ ($''$)	Notes
SCA 205 AB,C	23 46 11.80 + 48 25 58.9	9.8 - 13.0	2021.811	260.3	8.26	AB is COU 2250
SCA 206	08 50 55.01 + 18 01 34.8	12.0 - 12.5	2022.071	87.8	3.71	near HD 75509 (*)
SCA 207 Aa,Ab	16 31 10.96 + 57 24 34.3	9.9 - 10.3	2022.523	5.8	0.21	AB is WOR 32
SCA 207 Aa,Ac	16 31 10.96 + 57 24 34.3	11.0 - 11.5	2022.523	128.9	0.24	AB is WOR 32
SCA 207 Aa,Ad	16 31 10.96 + 57 24 34.3	11.0 - 11.5	2022.594	73.3	0.24	AB is WOR 32

(*) GAIA identification: 659944161939837568 - 659944161941108608 (parallax 2.317697 - 2.327318 mas)

The deadline for contributions to Information Circular No. 209 is:

February 15th 2023

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