									Verific Binary/ LISA		Distance (pc. 1/p.																Discovery DBL	
Unique ID	RA	Dec	SecureDWD binary? Period (day)	Period (min)		error Aliase	Double s lined?	e Eclipsin	LISA g Detectable	le Gmag	(pc, 1/p. bold for literature) K1	1 (km/s) K1 er	ror K2 (kn	/s) K2 error	M1 1	M1 error N	12 M2	error Mtotal	Mtotal error	T1	T2	Logg1 L	ogg2 Ref1	Ref 2	Ref 3	Ref 4	Discovery DBL (SPY/ELM to include, incomplete)	Comment
HM Cnc RASSU J060839.5- '04014		15 +15 27 31.0	Y 0.003722222	5.359999			N	N	Y	20.9		1200			1		0.2		1.2	0			2002MNRAS.332L7R	2002A&A386L.13I	2010ApJ711L.138R	2023MNRAS.518.5123N	4	Mass transferring direct impact
04014 TF J1539+5027	06 08 39.5 15 39 32 10	-70 40 14 6 +50 27 38.72	N 0.004328703703 Y 0.004800828014	6.2333333			? Y	? Y	Y		>5000 negative	961	150	292 40	0 0.21	0.015	0.61	0.022	0.82 0.02	27 4890	00 <10000		2024A&A683A .21M 2020ApJ .90532B					A lot like HM Cnc, ultra-compact DD in direction of LMC
TF J0546+3843		08 +38 43 13.44			72 0.0000	200044	N	· ·	D.	19.31													2024arX9v241112796C					Chirp mass known with Pdot, masses of each stars are discussed in paper and are obtained with some
TF J1858-2024		62 -20 24 48 60			952 0.0000			·		19.37	2895.0												2024arXiv241112796C					Chip mass known with Pdot, masses of each stars are discussed in paper and are obtained with some
ZTF J2243+5242	22 43 42.97.	2 +52 42 06.00 92 +24 56 43.32	Y 0.006110356644	8.7989135	567 0.0000		Y	Ÿ	Y	20.55	2120.0				0.349	0.09	0.384	0.11 0	733 0.14	42 2220	1620	0	2020ApJ 905L 7B					assimptonsmoots
/407 Vul ES Cet	19 14 26.0	92 +24 56 43.32 36 -09 24 31.64	N 0.006585648148 N 0.007175925926	9.4833333			N N	N N		19.36															2011MNRAS 413 3068C			AM CVn
WD J0651+2844	06 51 33.3	4 +28 44 23.4	Y 0.008856557211	12.753442		40E-10	N	Y	Υ	19.3	992.9	616.9	5		0.26	0.04	0.5	0.04	0.76 0.05				2011ApJ737L23B	2012ApJ757L21H				SDSS J065133.33+284423.3
ZTF J0538+1953 WD 0931+444		3 +19 53 02.89 3 +44 11 06.9		14.		.00051 0.	.0142 N	Y N	Y	18.8 17.8	1039.8 369.9	198.5	3.2		0.32	0.03	0.45		0.77 0.09			6.96	2020ApJ 90532B 2014MNRAS.444L1K	2016ApJ82446B				SDS3.09351
SDSS J232230.20+05094	12	+05 09 42.06		20.016666			N	N	D.	18.7	865.2	148.6	6.3		0.27	0.06	0.24		0.51 0.08			7.17	2020ApJ 892L 35B					"first He+He white dwarf LISA verification binary, a source class that is predicted to account for one-third of resolved LISA ultra-compact binary detections."
J0526+5934	05 26 10.4	17 +59 34 45.31	N 0.01424044625	20.50624	26 0.00	000053 N	N	N	Y	17.56	847.5	565.2	3.2		0.257	0.049	0.71	0.07 0	967 0.08	85 2733	30	6.213	2024NatAs8491L	2023ApJ959114K	2024A&A686A.221R			WD+Subdwarf or DWD
PTF J0533+0209 ZTF J2029+1534	05 33 32.0 20 29 22 3	6 +02 09 11.51	Y 0.01430555556 Y 0.01451388889	21	0.6		N Y	N Y	D D	19	1265.5 8063.1	618.7	6.9		0.167	0.03	0.652	0.04 0	.819 0.0 0.62 0.05	57 1825		n	2020ApJ 90532В 2020ApJ 90532В					DBA spectroscopic feature
J1239-2041		7 -20 41 42.28	Y 0.01563	22.50	072 0.	00013	N	?	Y	20.5 18.6	8063.1 824	557.2	10.4		0.291	0.013 >	0.61	#VALU	JE! 0.01	13 1757	75	6.939	2022ApJ 933 94B					
ZTF J0722-1839 ZTF J1749+0924		9 -18 39 30.57 +09 24 32.4		2:			Y	Y	D	19.1	1429.4 negative				0.33 0.28	0.03	0.38	0.04	0.71 0.0 0.68 0.08				2020ApJ 90532B 2020ApJ 90532B					i = 89.66
SDSS J063449.92+38035	22	4 +38 03 52.45			6.5		N	N	Y	17.1		132.1	6		0.452	0.07	0.209		.661 0.07				6.72 2021ApJ_918L_14K					
SMSS J033816.16- 813929.9		-81 39 30.06		31			2	N	D.	17.3		379.7	4.6		0.23	0.015	0.38		0.61 0.05				7.5 2021ApJ 918L 14K					SDSS J033816.16-813929.9
J2322+2103	23 22 08.7	33 +21 03 52.81	Y 0.0222	31.9	968 0.	00025	N	?	D	18.6	884	248.1	4.3		0.25	0.021 >	0.19	#VALU	JE! 0.02	21 1667	177	6.765	2022ApJ 933 94B					
ZTF J1946+3203 AVD J0106-1000	19 46 03.8	9 +32 03 13.13	N 0.02330811817 Y 0.027153	33.563690 39.100	017	00002	N N	Y	D	19.2	5225.3 832.6	284.8	4.8		0.307	0.097	0.272	0.046 0	.579 0.10 .758 0.2	07 2800 22 1648	00 1150	6.01	2020ApJ 905 32B	2016An 824 46B				unclear if DWD or not Problem with SIMMAD coords / IDs
WD J1630+4233	16 30 30.5	8 +42 33 05.8	Y 0.027659	39.828	996 0.0	000043	N	N N	D	19.2	851.2	295.9	4.9		0.298	0.019	0.76	0.24 1	058 0.24	41 1467	70	7.05	2011MNRAS.418L.157K	2016ApJ82446B				1 Continue of the control of the con
SDSS082239+304857 J1526-2711		6 +30 48 57.2 15 -27 11 56.660	Y 0.02797 N 0.027982	40.27 40.294		00016	N N	Y ?		20.4	880.5 621.1	415.7 336	22.7 5.6		0.304	0.014 0.02 ×	0.524	0.05 0 0.02 #VALU	828 0.05	52 1400 28 1746	00 5200 60	7.14 7.31	2017ApJ 84710B 2023ApJ 950141K	2021MNRAS.500.50988	<		ELM	
ZTF J1901+5309	19 01 25.43	2 +53 09 29.27	Y 0.02819569641	40.601802	283		Y	Y		18	910.9				0.36	0.02	0.36		0.72 0.03	71 2600	00 1650		2020MNRAS.494L91C	2020ApJ90532B				
J2049+3351 SDSS J104336.28+05514	10	74 +33 51 53.126		42.835		000007	N	Y		18.7	1960.8	513.2	9.5						0	0 2320		0	2023ApJ 950.141K				ELM	
9 J1506-1125	10 43 36.2	8 +05 51 49.9 45 -11 25 11.994		45.6 46.54		00092	? N	N 2		19.1	negative 413.2	115.2 167.5	6.8 4.3		0.183	0.01 ×		#VALU	JEI 0.0	01 926 22 2205		6.6 7.44	2017ApJ 84710B 2023ApJ 950141K				ELM	
WDJ 022558.21-692025.3	38 02 25 58.2	1 -69 20 25.38	Y 0.03277099777	47.190236	979 0.0000	000002	N	Ý	D+	16.4	402.6	224	4.4		0.4	0.04	0.28	0.02	0.68 0.04	45 2533	30 1435	0 6.99	7.6 2023MNRAS.525.1814N				LL-M	
J1235+1543 ZTF J2320+3750		+15 43 19.4 3 +37 50 30.84	Y 0.03672 Y 0.03836573843	52.87 55.246663		0.0014	N	?		17.5 19.4	444.4 1443.4	166.5	6.2		0.35	0.01 >	=0.17 0.69	#VALU	JEI 0.0			7.19	2017MNRAS.468.2910B 2020ApJ 90532B	2017MNRAS.471.42188	(SDSS J123549.88+154319.3
WD J1053+5200	10 53 53.8	9 +52 00 31.0	Y 0.04256	61.28	964 0.	00002	N N	N N		19.4 19.1 17.5	3816.9	466 264	2		0.204	0.012	0.75		954 0.0 1 0.1		80	6.55	2009ApJ707L51M	2010ApJ716122K	2010ApJ723.1072B	2016ApJ82446B		WD 1050+522 (SDSS J105353.89+520031.0)
J0056-0611 SDSS J1056+6536		3 -06 11 41.6 3 +65 36 31.5	Y 0.04338 Y 0.04351	62.46 62.65		00002	N	?		17.5 19.9	625.9 1510.4	376.9 267.5	2.4		0.18	0.01	0.82	0.14	1 0.1			6.167 7.13	2013ApJ76966B 2012ApJ751141K	2016ApJ82446B 2016ApJ82446B				
J0923+3028	09 23 45.6	0 +30 28 05.08	Y 0.04495	64.7	728 0.	.00049	N N	?	D	15.7	287.4	296	3		0.275	0.015	0.76	0.23 1	035 0.2	23 1835	150	6.63	2010ApJ 723.1072B	2011ApJ7273K	2016ApJ82446B			Also WD 0920+306
WD J1436+5010 J1832+2031	14 36 33.2	8 +50 10 26.9 39 +20 31 08 202	Y 0.0458	65.9 67.163	952	0.0001	?	?		18.4 17.6	948.4	347.4 335.2	8.9		0.234	0.013	0.78	0.23 1 0.02 #VALU	.014 0.0 JEI 0.00	23 1655 36 1908	50	6.69	2010ApJ716122K 2023ApJ950141K	2016ApJ82446B			FIM	WD 1434+503
J1738+2927	17 38 35.4	7 +29 27 50.63	Y 0.0477	68.6	388 0	.00011	N N	?		17.6	780.0	372.7	13.2		0.261	0.016 >	0.55	#VALU	JE! 0.01	16 1201	118	6.972	2020Ao L 889 49B				ELM	
WD J0825+1152 J1812+0525	08 25 11.91	1 +11 52 36.4 71 +05 25 29.868	Y 0.05819 N 0.059847	83.79 86.179	336 0.	00001	N	N		19 18.9	2377.7 1176.5	319.4 373.3	2.7		0.278 0.28	0.021 0.03	0.8 0.73	0.22 1 0.05	.078 0.22 1.01 0.05	21 2483 58 896	130	6.61 5.96	2012ApJ751141K 2023ApJ950141K	2016ApJ82446B			ELM	
ND0957-666	09 58 54.9	4 -66 53 10.2	Y 0.06099312	87.83009	28 0.000	000002	Y	N N		14.5	163.6	218.4	1.1 2	46.3	5 0.37		0.32		0.69	0 3000	00 1100	0	1997MNRAS.288538M	2002MNRAS.332.745N			ELM	
ND J1741+6526 J0221+1710		9 +65 26 38.7	Y 0.06111 N 0.061288	87.99 88.254		00001	?	?		18.5 17.7	1154.0 279.3	508 347.9	4.2		0.17	0.01	1.17	0.07	1.34 0.07			5.19 7.01	2012ApJ 744 142B 2023ApJ 950 141K	2016ApJ82446B			ELM	
J0221+1710 J2013-1310		98 -13 10 41.750		88.254 88.729		00002	N N	?		17.7	279.3 452.5	347.9 300.9	6.5		0.27	0.01 0.02 ×		0.02 #VALU				7.01	2023ApJ 950 141K 2023ApJ 950 141K				ELM	
ND J0755+4906	07 55 52.4	0 +49 06 27.9	Y 0.06302	90.74	488 0.	00213	?	?		20.3	negative	438	5		0.184	0.01	0.96	0.16 1	.144 0.1	16 1316	60	5.84	2010ApJ 723.1072B	2016ApJ82446B				
J1758+7642 SDSS J1337+3952	17 58 12.8	47 +76 42 16.80 6 +39 52 37.63	N 0.06566667 Y 0.06875	94.56000	99		N Y	N N	D	19	619.9 113.6	100	4	168	3 0.51	0.01	0.32	0.01	0.83 0.0	0 14 939	190 7941	0 7.85	2022MNRAS.509.4171K 7.32 2021ApJ 921160C					Needs RVs. DWD HR position. ELM binary/DWD binary. No secondary eclipse detection. ID spectra only SDSS Chandra
J1313+5828	13 13 49.9	76 +58 28 01.39	Y 0.07395 Y 0.07644	106.4		.00018	N	?		18.4	678	321.7	6.5		0.271	0.015 >	0.56	#VALU		15 1661	10	6.938	2022ApJ 933 94B	2016ApJ82446B				
WD J2338-2052 J2309+2603	23 38 21.5	0 -20 52 22.8	Y 0.07644 Y 0.07653	110.07	736 0.	00011	N N	N N		19.9	655.0 negative	133.4 412.4	7.5 2.7		0.176	0.015	0.96	0.24 1	.136 0.1	24 1663 16 1095	i30 i50	6.869	2013ApJ76966B 2016ApJ818155B	2016ApJ82446B 2016ApJ82446B				
WD J0849+0445 WD0019-105	08 49 10.1	3 +04 45 28.7	Y 0.0787 Y 0.0799	113.3	328	0.0001	?	?		19.3	1783.8 2844.4	366.9 145.6	4.7		0.179	0.01	0.86		039 0.			6.23 7.15	2010ApJ716122K	2016ApJ82446B				Ako, 10022-1014
WD0019-105 J0751-0141		5 -10 14 23.6 8 -01 41 20.9	Y 0.0799 Y 0.0800126	115.0		0.003	N N	? Y		19.9	2844.4 1785.5	145.6 432.6	2.3		0.33	0.02	0.97	#VALU	JEI .164 0.03	0 1898 36 1575		7.15 5.54	2011ApJ7273K 2013ApJ76966B	2014MNRAS.438L.26K	2016ApJ82446B			Also J0022-1014 SDSS J075141.18-014120.9. Eclipsing but 0.1mag variability and very small depth eclipses
J1657-0417 J1121+6052		88 -04 17 22.348 63 +60 52 10.265		120.893 121.695		000441	N	?		18.3	490.2 751.9	289.4 183.5	8.8		0.27 0.19	0.02 >	0.5	0.03 #VALU				6.85	2023ApJ 950.141K 2023ApJ 950.141K				ELM ELM	
J2149+1506	21 49 11.10	07 +15 06 37.71	Y 0.08541	122.99	0.04	.00016	N	?		18.1	1055	290.3	12		0.267	0.01 × 0.032 ×	0.51	#VALU	JE! 0.03	32 2116	164	6.595	2022ApJ 93394B					
J0501-2312 J2119-0018		65 -23 12 04.397 -00 18 25.8	N 0.086593 Y 0.08677	124.693	992 0.0	001156	N	?		18 20.3	609.8 1399.5	105.1 383	5.1		0.36	0.01 >	0.14	0.01 #VALU	JEI 0.01		40	7.21 5.36	2023ApJ 950.141K 2010ApJ 723.1072B	2016ApJ82446B			ELM	
J0930-8107	09 30 08.4	7 -81 07 38.32	Y 0.08837	127.25	528 0.	00005	N	7		16.25	854.700854	212	9		0.238	0.01 >	0.29	0.03 #VALU	JE! 0.03	32 2335	150	6.14	2020ApJ89453K	2010нрл02440В				
J1234-0228 J1808+2723	12 34 10.3	7 -02 28 02.9 84 +27 23 12 216	Y 0.0914	131.6	316	0.004	N N	?		18	783.2 354.6	94 187 2	2.3		0.227	0.014	0.75	0.24 0	977 0.3	24 1800 45 1063	100	6.64	2011ApJ7273K 2023ApJ. 950141K				ELM	
J1152+0248	11 52 19.99	9 +02 48 14.4	Y 0.099867	143.808	348 0.0	000012	Y	Ý		18.5	631.7	190.6		12.3 10.	5 0.362	0.014	0.325	0.013 0	687 0.0	19 2080	1040	0 7.344	7.386 2016MNRAS.458845H	2020NatAs4690P				Pulsating WD. Double lined in Parsons 2020
J2102-4145 J1632+4936		56 -41 45 01.736 94 +49 36 14.60		144.30060	36 0.0000	000001	Y	Y		15.8 17.9	164.7 1117	220.8 209.7	0.7 1	34.6 0.	8 0.375 0.269	0.01 0.021 ×	0.314	0.01 0	689 0.0°	14 1368 21 915	88 1295	2 7.36 5.746	7.32 2023ApJ 950.141K 2022ApJ 933.94B	2024A&A685A9A			ELM	
11054-2121	10 54 35.7	8 -21 21 55.9	Y 0.10439	150.32	216 0.	00655	?	?		18.7	1742.3	261.1	7.1		0.178	0.011	0.77	0.24 0	948 0.2	24			2016ApJ 824 46B					
10725-1245 11237+4913	07 25 27.3	62 -12 45 46.824 +49 13 02 7	N 0.106135 Y 0.10763	152.83 154.98	344 0.0	000061	N N	?		18.9	662.3 959.4	79.6 143.6	5		0.42	0.02 >	0.12	0.01 #VALU		22 2192 02 2245	20	7.42	2023ApJ 950 141K 2017MNRAS 471 4218K				ELM	SDSS.1123728.64+401302.6
12243-4511	22 43 27.4	79 -45 11 18.404	N 0.109479	157.649	76 0.0	000043	N N	?		17.4	389.1	249.4	4.9		0.29	0.01 >	0.46	0.02 #VALU	JE! 0.02	22 1588	180	7.04	2023ApJ 950.141K				ELM	3033 3123726.047491302.0
10745+1949 11401-0817	07 45 11.56	6 +19 49 26.6 0 -08 17 23.43	Y 0.1124	161.8 162.70	356 0.	00833	? N	?		16.4 16.5	919.0 555.0	108.7 346.2	2.9		0.164 0.216	0.01 0.042 >	0.15	0.34 0	.314 0.3	34 838	80	6.21 5.731	2014ApJ 781 104G 2020ApJ 889 498	2016ApJ82446B				
CSS 41177	10 05 59.10	0 +22 49 32.2	Y 0.116015	167.06	316		Y	Ý		17.4	434.5	176.1	1.1 2	10.4 6.	1 0.378	0.02	0.316	0.01 0	694 0.02	22 2440	07 1167	8 7.321	7.307 2014MNRAS.438.3399B					Has ultracam data, no pulsations to 0.5% amplitude
J2303-2614 ND1242-105		42 -26 14 59.917 6 -10 51 08.7		170.20 171.02		000032	N	?		13.8 14.6	320.5 40.3	302.9 124	2.3	178 1.	0.18 4 0.56	0.01 >	0.58	0.01 #VALU	JEI 0.01			5.43 4 7.94	2023ApJ 950.141K 7.54 2015AJ 149 176D				ELM	
1048-0000	10 48 26.8	6 -00 00 56.81	Y 0.12063	173.70	072 0.	00001	N N	?		18.3	707.0	312.8	8.1	1.	0.169	0.016 >	0.62	#VALU	JE! 0.0	16 848		5.831	2020ApJ 889 49B					
1108+1512 1115+0246	11 08 15.51	1 +15 12 46.7	Y 0.1231	177.2 178.6	264 0.	00867	? 14175 N	?		18.8	825.2 899.0	256.2 139.9	3.7 12.2		0.179	0.01	0.78		959 0.2	22		7.439	2016ApJ 824 46B 2020ApJ 889 49B					
0338+4134	03 38 47.0	68 +413424.10	Y 0.1253132	180.4510	00.00	000001	N	N N		15.1	596.0	289	4		0.22	0.05 -	0.7	#VALU	JEI 0.0	05 2250	00	5.6	2022ApJ 9365W	2023MNRAS.526.54711	1			Subdwart/DWD. More likely DWD. LAM/OST J033847.06+413424.2
2147+1859 0642-5605		8 +18 59 59.76 9 -56 05 47.44	Y 0.12879 Y 0.13189	185.45 189.92		00002 00006	N N	?		19.6	2199.0 704.225352	198.3 368	6.6		0.157 0.182	0.021 × 0.01 ×		#VALU	JE! 0.03	21 961		5.639 5.08	2020ApJ 889 49B 2020ApJ 894 53K					
2257+3023	22 57 02.14	41 +30 23 38.50	Y 0.13489	194.24	116 0.	.00016	N N	?		18.3	277	226.3	3.2		0.334	0.016 >	0.47	#VALU	JE! 0.01	16 994	47	7.324	2022ApJ 93394B					
0545-1902 NO 1101+364	05 45 45.3	01 -19 02 45.499 8 +36 10 49 0	N 0.144472 V 0.144719	208.039	968 0.0	000684 000056	N	?		17.3	386.1 87.3	134.7 69.7	5.4	an 3 1	0.4	0.02 >	0.25	0.02 #VALU	JEI 0.02	28 2285	150	7.34	2023ApJ 950.141K 1995MNRAS 2751 1M				ELM	Cores same strength similar temperatures for each star Need to check which is ununsest PR1101+364
VD1704+481	17 05 30.4	4 +48 03 12.4	Y 0.1447864	208.4924	16 0.00	000025	Y	N N		14.6 14.4	87.3 39.4			50.3 1.	0.39	0.05	0.56	0.07	0.95 0.08				2000MNRAS.314334M					Cores same strength; similar temperatures for each star. Need to check which is youngest. PG1101+364 Triple WD
10112+1835 10151+1812	01 12 10.2	5 +18 35 03.8 8 +18 12 47.95	Y 0.14698 Y 0.14812	211.65 213.29	512 0.	00003	N	?		17.4	756.8 933.0	295.3 259.8	2 2 5		0.16 0.154	0.01	0.74		0.9 0.1			5.63	2012ApJ 744 142B 2020ApJ 889 49B	2016АрЈ82446В				
0923-1218	09 23 50.3	2 -12 18 24.00	Y 0.14896	214.50	0.24	.00002	N N	?		19.6 16.3	262.0	259.8 117	3.5		0.344	0.023 >	0.19	#VALU	JE! 0.02	23 1945	55	6.328 7.17	2020ApJ 889 49B					
1233+1602	12 33 16.2	10 +16 02 04.7	Y 0.1509	217.2	296 0.	.00009	?	?		20.1	675.7	336	4		0.169	0.01	0.98	0.16 1	149 0.1	16 1092	20	5.12	2010ApJ 723.1072B	2016ApJ82446B			E M	
11459-1920 11130+3855	14 59 02.1	59 -19 20 33.552 6 +38 55 50.1	N 0.15199 Y 0.15652	218.86 225.38	388 0.	00003	N N	?		18.1	1408.5 675.0	287.8 284	7.4 4.9		0.26	0.02 × 0.018	0.9		.188 0.18	45 874 81	40	5.66	2023ApJ 950 141K 2016ApJ 824 46B				ELM	
ID 251 2342+0811	23 34 20.8	6 +38 55 50.1 6 +29 18 36.6 +08 11 37.5	Y 0.15652 Y 0.1664914 Y 0.16788	239.7476	316 0.00	0.0007	N	N		19.6 15.7	675.0 245.9 574.7	128.3	10.9		0.288 0.39 0.42	>	0.322	#VALU	JE!	0	_		1995MNRAS.275.828M 2017MNRAS.471.4218K					WD2331+290 SDSS_J234248_88+081137.3
1112+1117	11 12 15.83	3 +11 17 44.9	Y 0.17248	241.74 248.37	712 0.	.00001	N ?	?		19	363.5	116.2	10.9		0.176	0.02 × 0.01	0.75	0.24 0	926 0.2	24		7.45	2016ApJ 824 46B					SUSS (234248.86+081137.3
1553+6736	15 53 28.0	08 +67 36 10.560	N 0.174522	251.311	168 0.0	000431	N	?		16.5	423.7	91.6	5.4		0.22	0.04 >	0.12	0.01 #VALU	JE! 0.04	41 961		6.11	2023ApJ 950.141K				ELM	
0650-4925 DSS1005+3550	10 05 54.0	8 -49 25 49.46 5 +35 50 14.4	Y 0.17652	251.32 254.18	232 0. 388 n	00028	N N	? N		17.07	1041.66666 1763.6	284.2 143	39.4 2.3		0.182 0.168	0.01 >	0.75		918 0.2	24 1001	110	5.47 5.82	2020ApJ 894 53K 2012ApJ 751 141K	2016ApJ82446B				
0818+3536	08 18 22.3	5 +35 36 18.7	Y 0.18315	263.7	736	0.0211	?	?		20.8	negative	170	5		0.165	0.01	0.75	0.24 0	915 0.2	24 1062	20	5.69	2010ApJ 723.1072B	2016ApJ 824 46B				
0101+0401 SDSS1257+5428	12 57 33.6	9 +04 01 59.00 5 +54 28 50.5	N 0.18332 Y 0.18979154	263.98 273.29981		00284	N Y	? N		17.2 16.7	1245 120.2	199.5	7.1		0.188	0.013 >	0.35	#VALU		13 928 0 720	100 980	5.229 0 6.9	2022ApJ 933 94B 9 2009ApJ 707 971B	2010ApJ719.1123K	2011ApJ73695M			Claims in literature of potential magnetism, but rapid rotation seems more likely
VD J1443+1509	14 43 42.7	6 +15 09 38.9	Y 0.19053	274.36	332 0.	02402	?	?		18.6	705.5	306.7	3		0.201	0.013	0.99	0.15 1	.191 0.15	51 881	110	6.32	2012ApJ744 142B	2016АрЈ82446В				and the state of t
0130+5321 0450-0145		7 +53 21 38.37 08 -01 45 48.150		276.5 276.723		0.0002	N N	?		14.3 17.7	85.0 1098.9	209.1 260.2	5.1 3.3		0.191	0.013 ×		#VALU			31	6.627 5.58	2020ApJ 889 49B 2023ApJ 950 141K				ELM	
DSS2103-0027	21 03 08.7	9 -00 27 48.9	Y 0.20308	292.43	352 0.	00023	N N	N		17.7	1078.2	281	3.2		0.161	0.02 >	0.88	0.19 1	.041 0.1	19 1000	100	5.49	2012ApJ751141K	2016ApJ82446B				
E0225-1912 1238+1946	02 27 41.4	3 -18 59 24.5	Y 0.22 Y 0.22275	316 320	6.8	00009	Y	?		16 17.5	155.0 2210.6	258.6	2.5		0.55 0.21	0.011	0.23		0.78 1.08 0.1	0 2048	88	7.84 5.275	2020A&A638A.131N 2013AoJ .76966B	2016ApJ82446B				In SPY, WD0225-192
J1249+2626	12 49 43.5	7 +26 26 04.3	Y 0.22906	329.84	464 O	1.00112	N N	?		16.7	808.2	191.6	3.9		0.16	0.01	0.76	0.23	0.92 0.2	23 1012	20	5.72	2015ApJ 812.167G	2016ApJ82446B 2016ApJ82446B				
J1625+3632 NLTT 11748	16 25 42.11	1 +36 32 19.1	Y 0.23	33	1.2	0.04	?	?		19.6	2466.9	58.4	2.7		0.2	>	0.07	#VALU	JE!	0 2357	70	6.12	2011ApJ7273K					
NLTT 11748 WD J1840+6423		3 +17 48 08.7 7 +64 23 12.2	Y 0.23550606 Y 0.23672	339.12872 340.87	768 0.000	000011	N 7	? ?		16.6 18.9	181.6 770.3	273.4 279.7	0.5 4.1		0.153 0.182	0.007	0.729	0.008 0	.042 0.0	19 914	05 759 40	6.16	8.22 2010ApJ 716L 146S 2012ApJ 744 142B	2014ApJ780167K 2016ApJ82446B				i=89.9. First detached and eclipsing DWD binary (WD 0342+176). Roemer delay measured
		6 +22 25 51.07		341.7		00024 1.0	00795 N	2		19.1	1612.0	115.5	8.5		0.32	0.011 >		#VALU				6.865	2020ApJ 88949B					

										Verific Binary/ LISA		Nistance pc, 1/p.																Discovery DBL	
Unique ID	RA	De		ecureDWD inary? Period (d			Period error Alia	Doub ises lined	ole ? Eclipsi	LISA ing Detectable		pc, 1/p. iold for terature) K1	(km/s) K1 erre	or K2 (km/s)	K2 error		error M2	M2 er		Mtotal error	T1	T2	Logg1 Log		Ref 2	Ref 3	Ref 4	Discovery DBL (SPY/ELM to include, incomplete)	Comment
J2104+1712 J1129+4715	21 04	3.842 +1 4.162 +4	17 12 32.17 Y 47 15 01.726 N		0.2375	342 343.90512	0.00022	N N	?		18.2	357 847.5	286.6 185.8	4.4		0.183	0.01 >0.86		#VALUE 0.02 #VALUE	0.02	01 8927 22 11610)	6.561 5.32	2022ApJ 933 94B 2023ApJ 950 141K				ELM	
WD J0822+2753	08 22	2.58 +2	27 53 07.4 Y		0.244	351.36	0.0002	?	?		18.3	589.8	271.1	9		0.191	0.012	0.93	0.17 1.1	21 0.1			6.44	2010ApJ 716.122K	2016ApJ82446B				
GALEX J1717+6757 J1631+0605			67 57 11.4 Y 06 05 33.8 Y		0.246137	354.43728 356.7744	0.000003	N N	Y N		13.3 19.3	178.6 961.1	215.4	3.4		0.18		0.9	0.23 0.9	08 0.0 52 0.2			5.67 5.818	2011ApJ737L_16V 2016ApJ_818155B	2014MNRAS.444.1674 2016ApJ82446B	4			
J1526+0543	15 26	1.57 +0	05 43 35.4 Y		0.25039	360.5616	0.00002	?	?		19	3144.2	231.9	2.3		0.161	0.01	0.81	0.21 0.9	71 0.2	10290)	5.69	2015ApJ812167G	2016ApJ82446B				
J0517-1153 J2132+0754	21.32	8.36 +0	11 53 25.849 N 07 54 28.3 Y		0.250521	360.75024 360.8064	0.000001	N N	?		16.2	680.3 1221.3	309.7 297.3	3.1		0.19	0.02 >1.07	1.07	0.04 #VALUE	9 0.04	15 16650 13 13700)	5.96 5.995	2023ApJ 950 141K	2016ApJ82446B			ELM	
J2132+0754 J1141+3850	11 41	5.56 +3	38 50 03.1 Y		0.25056 0.25958	360.8064 373.7952	0.00005	N	?		18.3 19.2	1516.1	265.8	3.5		0.187 0.177		0.92	0.13 1.2 0.17 1.0	57 0.1 97 0.1	13 13700 17 11620		5.995 5.307	2013ApJ 769 66B 2013ApJ 769 66B	2016ApJ82446B				
J0256+4405 J1630+2712			44 05 27.363 N 27 12 26.6 Y		0.26126	376.2144 398.1024	0.000087	N ?	?		15.8 20.3	714.3 6978.2	243.7 218	3.8		0.22	0.02 >0.68 0.01		0.03 #VALUE 0.22 0.				5.56 5.95	2023ApJ 950 141K 2010ApJ 723 1072B	2016ApJ82446B			ELM	
HE2209-1444	22 12	7.96 -14	14 29 46.0 Y		0.276928	398.77632	0.000006	Υ	N		15	38.0				0.58	0.03		0.08 1.	16 0.08	85 8490	71	140 7.97	7.97 2003A&A410663K					In SPY
J2306+0224 J1557+2823			02 24 29.61 Y 28 23 36 1 Y		0.28728	413.6832 416.4624	0.00009	0 677 2	?		16.9 17.8	1105 247.0	148.3	6.7		0.201	0.015 >0.28 >0.43		#VALUE		0 1255		5.473 7.762	2022ApJ 933 94B 2013ApJ 769 66B					
J1449+1717	14 49	7.15 +1	17 17 29.3 Y		0.29075	418.68	0.00001	N	?		17.7	613.4	228.5	3.2		0.171	0.01	0.83	0.21 1.0		21 9700)	6.08	2015ApJ 812 167G	2016ApJ82446B				
J0042+3103 J1555+1007			31 03 29.45 Y 10 07 24.851 N		0.29725	428.04 429.17328	0.00018	N N	?		18.2	545.0 396.8	204.2 148.5	5.2 6.7		0.176	0.01 >0.49 0.02 >0.38		#VALUE)	6.274 7.32	2020ApJ 889 49B 2023ApJ 950 141K				ELM	
WD2020-425 J0834+3049			12 24 25.8 Y 30 49 59.2 Y		0.3	432 433.1376	0.02	Y	?		14.8	98.8 756.9	179.3	13.9		0.81	0.01 >=0.47	0.54	#VALUE		0 28412	2	8.145	2007ASPC. 372. 387N 2017MNRAS. 471. 421		2020A&A638A.131N			In SPY, High mass. SDSS J083448.91+304959.2
SDSS1005+0542	10 05	8.09 +0	05 42 04.4 Y		0.30079	440.064	0.00011	N N	? N		19.1	1640.0	208.9	13.9		0.29	>0.66		#VALUE	9	0 15740		7.06 7.25	2012ApJ751141K	к				SDSS J083446.91+304959.2
J1545+4301			43 01 41.85 Y		0.30931	445.4064	0.00016	N	?		19	939.0	154.8	4.1		0.174	0.01 >0.3		#VALUE				6.222	2020ApJ 889 49B					
J0820+4543 SDSS0917+4638	08 20	0.339 +4 9.55 +4	45 43 01.70 Y 46 38 21.7 Y		0.31553	454.3632 455.6448	0.00042	N 7	7		17.9 18.9	388 2222.0	153.1 148.8	3.7		0.412		0.75	#VALUE 0.23 0.9	0.01 23 0.2	16 17356 23 11850)	7.458 5.55	2022ApJ 933 94B 2010ApJ 723 1072B	2016ApJ82446B				
PG1114+224 SDSS J0152+0749	11 17	3.61 +2	22 06 31.9 Y		0.32 0.32288	460.8 464.9472	0.015	?	?		16.3	260.1 976.9	34	7		0.41	>0.07	0.82	#VALUE 0.21 0.9	89 0.2	0 25860)	5.8	2011ApJ73067B					
J1906+6239			07 49 14.1 Y 62 39 23.71 Y		0.32288	464.9472 474.3216	0.00014	? N	7		17.6	246	217	3		0.169	0.04 >1.06	0.82	#VALUE	0.0	13570)	5.341	2012ApJ 744 142B 2022ApJ 933 94B	2016ApJ82446B				
J0116+4249	01 16	0.83 +43	42 49 38.32 Y		0.334	480.96	0.00015	N	?		18.3	4506	237.8	4.6		0.256	0.028 >0.81		#VALUE	0.02	28 12968	В	5.058	2022ApJ 93394B					
J0155-4148 WD0455-295	04.55	5.90 .29	11 48 18.433 N 29 28 59.0 Y		0.343865	495.1656 516.096	0.000317	N Y	?		15.7	480.8 97.4		3.7		0.22	0.02 >0.67	0.44	0.03 #VALUE	84	0		5.75	2023ApJ 950 141K 1994ApJ 429 369W	2020A&A638A.131N			ELM	In SPY, DA+DBA. Still one close alias to be settled I think? WD0453-295
J0050+2147	00 50	6.85 +2	21 47 25.66 N		0.3584 0.36059	516.096 519.2498	0.00002	N	?		20.1	4102.0		6.6		0.186	0.01 >0.46		#VALUE	0.0			5.826	1994ApJ 429 .369W 2020ApJ 889 49B					
J1255-1853 J2332+0427			18 53 32.101 N 04 27 35.20 Y		0.363739	523.78416 529.8048	0.001501	N N	?		17.8 18	1818.2 1087.0		6.2 4.9		0.19	0.01 >0.73 0.01 >0.61		0.04 #VALUE			7	5.25 5.834	2023ApJ 950 141K 2020ApJ 889 49B				ELM	
J0215+0155	02 15	6.244 +0	01 55 03.363 N		0.387941	558.63504	0.000001	N	?		14.3	465.1	186.4	1.5		0.29	0.02 >0.58		0.02 #VALUE	0.02	28 11310		5.34	2023ApJ 950.141K				ELM	
WD0028-474 J0500-0930	00 30 05 nn	7.17 -47	7 12 36.4 Y 9 30 56.98 Y		0.389575	560.988 567.864	0.0003	Y N	N N		15.2	96.5	146.8	8.3		0.6	0.06 0	0.45	0.04 1. 0.04 #VALUE		72 18500 11 10810	170	6.39	2017MNRAS.466.157 2020ApJ 894 53K	R			ELM	In SPY Relativistic beaming in TESS data. 0.1% level
J1046-0153	10 46	7.87 -01	1 53 58.5 Y		0.39539	569.3616	0.10836	0.659 N	?		18.2	383.2	80.8	6.6		0.37	>0.19		#VALUE	9	0 14880)	7.37	2013ApJ 769 66B				_	V
J2245+0750 J1240-0958			07 50 48.74 Y 09 58 59.603 N		0.39664	571.1616 576.55152	0.00102	N N	?		19.6 19	1547.0 769.2	220.5 209.8	10.1 6.1		0.178	0.01 >0.7 0.02 >0.65		#VALUE		01 10782 15 14020	2	6.184 5.24	2020ApJ 889 49B 2023ApJ 950 141K				ELM	
J1617+1310	16 17	2.51 +13	13 10 18.9 Y		0.41124	592.1856	0.00086	?	?		18.9	1052.8	210.1	2.8		0.172	0.01 0	0.85	0.2 1.0	22 0	.2 10510)	6.07	2015ApJ 812.167G	2016АрЈ82446В				
J1538+0252 J0027-1516		4.22 +0	02 52 09.6 Y 15 16 26.57 Y		0.41915	603.576 611.3952	0.00295	0.295 ? N	?		18.8	1408.4 518.0	227.6 155.4	4.9 6.3		0.168	0.01 0.36	0.92	0.17 1.0 #VALUE		17 11560	ı	5.967 6.127	2013ApJ 769 66B 2020ApJ 889 49B	2016ApJ82446B				
WD1013-010	10 16	6.87 -01	01 19 17.1 Y		0.43653	628.6032	0.00005	N	?		15.3	46.3	122	2		0.44	>0.38		#VALUE	9	0 8080)	7.32	2005A&A440.1087N	2020A&A638A.131N				In SPY
J0212+2657 J0837+6648	08 37	8.51 +6			0.44908	646.6752 667.1376	0.00197	N 7	?		19.4 18	804.0 604.1	202 150.3	11.5		0.17	0.012 >0.62	0.76	#VALUE 0.24 0.9	0.01 41 0.2	12 9163 24 11400	3	6.518 6.31	2020ApJ 889 49B 2015ApJ 812 167G	2016ApJ82446B				
J0940+6304			63 04 27.4 Y		0.48438	697.5072	0.00001	N	N		19.9	4106.7		3.2		0.18	0.01	0.9	0.18 1.	08 0.1	18 12910)	5.964	2016ApJ 818.155B	2016ApJ82446B				
J0022+0031 HE0410-1137		9.02 -11	00 31 15.5 Y		0.491	707.04 732.528	0.025	? Y	? N		19.5 15.9	631.4 105.3	80.8	1.3		0.38	>0.21 0.04	0.39	#VALUE	0.0	0 17890	190	7.38	2011ApJ7273K 2017MNRAS.466.157	R				In SPY. GD 57
J2151+2730	21 51	1.472 +2	27 30 14.45 N		0.51593	742.9392	0.00316	N	?		17	1546	203.9	6.7		0.189	0.01 >0.72		#VALUE	0.0	1190		5.257	2022ApJ 93394B					
HE1414-0848 J0840+1527	14 16	7.57 41	09 02 02.7 Y 15 27 04.5 Y		0.51781 0.52155	745.6464 751.032	0.00001	0.34 N	N 2		15.9 19.4 r	81.1	84.8	21		0.52	0.01	0.74 0.75	0.24 0.9		0 8900 24 13810	107	5.043	2002A&A 386. 957N 2013ApJ 769 66B	2016ApJ82446B				In SPY
J0745+2104	07 45	0.527 +2	21 04 31.37 Y		0.53964	777.0816	0.00511	0.343 N	?		18.6	747	132.2	4.6		0.192 0.397	0.016 >0.46	0.73	#VALUE	0.01	16 22614		7.329	2022ApJ 933 94B	2010402400				
J0755+4800 J0802-0955		9.48 +40 0.14 -09	48 00 34.1 Y		0.54627	786.6288 787.4928	0.00522 0.00455	0.349 N 1.17627 N	?		16.2	183.0 993.5	194.5 176.5	5.5 4.5		0.42	>0.90 0.012	0.82	#VALUE 0.21 1.0		0 19890 21 16910		7.455 6.423	2013ApJ 769 66B 2013ApJ 769 66B	2016ApJ82446B				
J1104+0918	11 04	6.75 +0	09 18 22.8 Y		0.55319	796.5936	0.00502	0.355 N	?		16.8	188.6	142.1	6		0.46	>0.55	0.02	#VALUE	1 0.2	0 16710)	7.611	2013ApJ76966B	2010402400				In ELM survey. In SPY, low amp HS1102+0934
J1157+0546 J1518+1354		4.46 +0	05 46 45.6 Y		0.565	813.6 830.304	0.01925	1.23 N	?		20 r	egative 3798.9	158.3	4.9		0.17	>0.44	0.75	#VALUE 0.24 0.8	97 0.24	0 12100		5.054	2013ApJ 769 66B 2016ApJ 818 155B	2016ApJ82446B				
J1514-1436	15 14	7.26 -14	14 36 26.77 Y		0.58914	848.3616	0.00244	N N	?		18.27	754.38596	187.7	6.6		0.167	0.01 >0.63		0.06 #VALUE	0.06	9170		5.435 5.91	2020Ap.I 894 53K	2010нрз624408				
J2151+1614 WD J1518+0658		9.21 +10 6.69 +0	16 14 48.7 Y		0.59152 0.60935	851.7888 877.464	0.00008	?	?		16.9 17.5	391.2	163.3	3.1		0.181	0.01 0.013	0.8	0.22 0.9 0.2 1.0	81 0.2 54 0	22		6.66	2016ApJ 824 46B 2012ApJ 744 142B	2016ApJ82446B				
J0756+6704	07 56	0.71 +6	67 04 24.8 Y		0.61781	889.6464	0.00002	N	N		16.4	2065.4	204.2	1.6		0.182	0.011	0.95	0.16 1.1	32 0.1	16 11640)	4.9	2015ApJ 812.167G	2016ApJ82446B				
J0130-0530 WD1210+140			05 30 25.72 Y 13 46 24.9 Y		0.63648	916.5312 924.3936	0.00072	N N	?		18.9	4834 211.5	191.2 131	5.7		0.299	0.053 >0.85		#VALUE		0 32127		5.42 6.92	2022ApJ 933 94B 2005A&A 440 1087N	2020A&A638A.131N				In SPY
HE2200-1341	22 03	5.63 -13	13 26 50.0 Y		0.6583	947.952		Y	?		15.4	138.2				0.46	>0.393		#VALUE	9	0 25261	1	7.52	2020A&A638A.131N					In SPY
J1151+5858 J2339-0347			58 58 53.4 Y 03 47 34.51 N		0.66902 0.67069	963.3888 965.7936	0.0007	N	N		20.3	930.7 1882.0	175.7 139.7	5.9		0.186 0.188	0.011 0	0.85	0.19 1.0 #VALUE				6.092 5.982	2013ApJ76966B 2020ApJ88949B	2016ApJ82446B				
J1236-0444	12 36	9.7 -04	04 44 37.9 Y		0.68758	990.1152	0.00327	N	?		17.29 5	23.560209	138	6.6		0.156	0.01 > 0.37		0.04 #VALUE	0.04	11			2020ApJ 89453K					
SDSS0730+1703 J0806-0716			17 03 56.9 Y 07 16 36.11 Y		0.6977	1004.688 1015.992	0.054 0.01554	N N	N 2		20 18.1	1329.8 1027	122.8 170.7	4.3 11.2		0.182	0.01 0	0.76	0.24 0.9 #VALUE				6.36 6.109	2012ApJ751141K 2022ApJ93394B	2016ApJ82446B				
WD 1534+503	15 36	5.83 +5	50 13 50.98 N		0.71129	1024.2576	0.01334	Y	?		15.8	68.2	135.9	3.2 86.4	3.2	0.392	0.07 0.		0.11 1.0	09 0.1	13 8900	85	1500 7.6	8.03 2003ApJ 596.477Z		C 2024MNRAS.532.2534N	4		Also called GD 347, WDJ153815.83+501350.98
WD 0311-649 SDSS0845+1624	03 12 2	3.03 +1	54 44 10.89 N 16 24 57.6 Y		0.73957 0.75599	1064.9808 1088.6256	0.0216	Y N	N N		13.3	36.6 584.3	86.5 62.2	2 60.1	2.1	0.385	0.063 0: >0.19	554	0.082 0.9 #VALUE		0 17750	123	7.55 7.42	7.91 2020MNRAS.493.280 2012ApJ751141K	к				
J1439+1002	14 39	8.40 +1	10 02 21.7 Y		0.77399	1114.5456	0.00169	?	?		18.1	726.1	177.9	6.2		0.181	0.01	0.78	0.23 0.9	61 0.2	23 14340)	6.2	2010ApJ 723.1072B	2016ApJ82446B				
J1422+4352 J2339+2024			43 52 53.0 Y 20 24 44.84 Y		0.77399 0.79578	1114.5456 1145.9232	0.00169	? N	?		18.2	3214.9 1387.0	201.2 106.3	12.9		0.181 0.182	0.01 0	0.78	0.23 0.9 #VALUE				5.91 5.263	2010ApJ 723.1072B 2020ApJ 889 49B	2016ApJ82446B				
J0308+5140	03 08	8.19 +5	51 40 11.5 Y		0.8059	1160.496	0.00109	N	N		15.3	2278.1	78.9	2.7		0.151	0.024 >0.16		0.02 #VALUE	0.03	31 8380)	5.51	2015ApJ 812.167G					
J0811+0225 J1039+1645	10 39	3.56 +0	02 25 56.7 N 16 45 24.3 Y		0.82194	1183.5936 1188	0.00049	N N	N N		18.8	1838.8	220.7 83.4	2.5		0.179	0.018 >0.31	1.28	0.1 1.4 #VALUE				5.794 7.639	2013ApJ76966B 2016ApJ818155B	2016ApJ82446B				
WD 1606+422	16 08	2.19 +4	42 05 43.44 Y		0.83935	1208.664	-	Y	N		13.8	43.3	123	1.7 92.7	1.5	0.458 0.57	0.02	0.45	0.02 1.	02 0.02	28 14000	110	1000 7.93	7.71 2020MNRAS.493.280	K 2024MNRAS.532.2534	М		DBL	Also EGGR 116. WDJ160822.19+420543.44
PG1519+500 HE0320-1917	03 22	1.93 -19	49 51 40.9 Y 19 06 48.1 Y		0.8603 0.86492	1238.832 1245.4848	0.00004	N N	N N		16.5 15.9	305.6 114.8	45 105	9		0.42	>0.14 >0.35		#VALUE	9	0 28730 0 13248		7.17	2011ApJ73067B 2005A&A440.1087N	2020A&A638A.131N				In SPY. WD0320-192
J2317+0602 J0125+2017	23 17	7.42 +0	06 02 52.09 Y 20 17 44.6 Y		0.86702 0.88758	1248.5088 1278.1152	0.00133 1	1.27191 N	?		19.5 17.4	558.0 4528.3	100.7 65.4	7.3		0.381	0.029 >0.38 0.01 >0.14		#VALUE	0.02	29 12043		7.441	2020ApJ 889 49B 2016ApJ 818 155B					
J1638+3500	16 38	6.27 +3	35 00 12.03 Y		0.90606	1304.7264	0.00004	N N	N 7		14.6	103.0	65.4 89.5	4.4		0.698	0.03 >0.45		#VALUE	0.0	37250		4.709 8.07	2020ApJ 889 49B					
J2348+2804	23 48	2.3 +2	28 04 38.41 Y		0.92013	1324.9872	0.01532	N	?		18.6	1365	89.3	12.2		0.22	0.037 >0.25		#VALUE	0.03	37 13906	3	6.204	2022ApJ 933 94B					
J1241+0633 LP 400-22			06 33 51.0 Y 22 32 24.6 Y		0.95912 1.01016	1381.1328 1454.6304	0.00028	N N	N N		17.9 17.2	422.3 365.8	138.2 119.9	4.8		0.199 0.186	0.01	0.77	0.22 0.9 0.23 0.9				6.648 6.42	2016ApJ 818 155B 2009ApJ 695L 92K	2016ApJ82446B 2009A&A507.1613V	2016ApJ82446B			WD2236+2232
J0815+2309 PG0934+338	08 15	4.24 +2	23 09 05.1 Y 33 34 04.7 Y		1.07357	1545.9408 1604.448	0.00018	N	N		18	2117.3	131.7	2.6		0.199	0.021	0.8	0.22 0.9	99 0.22	21 21470)	5.783	2013ApJ 769 66B	2016Ар.J82446В	1 1 1			
PG0934+338 GD 360			33 34 04.7 Y 33 13 04.2 Y		1.1142	1604.448 1623.456	0.0055	N Y	N N		16.4	321.9 88.9	111	17		0.38	>0.5 >0.178		#VALUE		0 24380			2011ApJ73067B 1995MNRAS.275828	м				WD1713+332
NLTT 12758			11 17 47.28 Y		1.15401	1661.7744	0.00005	v	2		15.4	32.6	81.9	17.3 89.7	3.8	0.83			0.05 1			21	220 8.37	8.16 2017MNRAS.466.112	see also 2022MNRAS				strong magnetic field for 1 WD. Only compact DWD to have a magnetic field
WD1428+373	14 30	2.61 +3	37 10 15.3 Y		1.15674	1665.7056	0.00002	N	N		15.5	98.1	67.9	1.68	3.3	0.348	>0.233		#VALUE	9	0 14010)	7.36	2005MNRAS.359648	M				.,.,.,
WD1022+050 NLTT 16249		9.83 +0- 6.625 +20	04 46 10.5 Y	1	1.157155	1666.3032 1671.84	0.000005	N Y	N 2		14.2 15.8	43.1	74.77 104.6	1.16 3.7 97.4	5.4	0.389	>0.283	0.51	#VALUE		0 14693		7.36 1368 7.78	2005MNRAS.359.648 7.88 2012ApJ745L.12V	W 2020A&A638A.131N 2012ApJ756L5V	2025MNRAS 536 44900			In SPY DA+DQ, Masses here are rough, but q-1
J0135+2359	01.35	0.856 +2	23 59 46 091 N		1.177655	1695.8232	0.009923	N	?		18.7	847.5	178.9	6.4		0.21	0.04 >1.02		0.09 #VALUE	0.00	8 14130)	6.46	2023ApJ 950.141K				ELM	and the same of th
J1021+0543 PG0834+501	10 21 ns 27	3.12 +0: 7.34 +4	05 43 22.28 Y 49 52 27.9 Y		1.24995	1799.928 1848.96	0.0041	N N	? N		19.4 15.3	1420.0 515.0	95.6 58	11.6		0.23	0.013 >0.33 >0.22		#VALUE	0.01	18314		6.703	2020ApJ 889 49B 2011ApJ 730 67B					
J0124+3908	01 24	9.73 +3	39 08 04.43 Y		1.29211	1860.6384	0.00433	0.22477 N	?		18.3	833.0	127	9.9		0.407	0.034 >0.69		#VALUE	0.03			7.286	2020ApJ 889 49B					
J0147+0113 J0441-0547			01 13 58.28 Y 05 47 34.95 N		1.30338	1876.8672 1900.7568		0.57599 N 1.55179 N	?		20.2 18.3	809.0 4733.0		15.7 18.1		0.24	0.012 >0.74		#VALUE	0.01	12 9383 11 12730	1	6.947 5.045	2020ApJ 889 49B 2020ApJ 889 49B					M2min high, but multiple aliases
PG1036+086	10 39	7.38 +0	08 18 41.0 N		1.3283	1912.752	0.0109	?	?		16.4	230.9	111	17		0.42	>0.37		#VALUE	9	0 22230		3.043	2011ApJ73067B				SPY	Also in SPY, but not claimed as a binary in their papers
WD0136+768 J1512+2615		1.60 +7 5.70 +2	77 09 00.7 Y 26 15 38 5 Y		1.407221	2026.39824 2139.3648	0.000009 0.02348 Y	Y 2	N 2		14.9 19.6	74.7 933.7	67.4 107.6	0.8 84.8	1.8	0.47		0.37 0.76	0.24 1.		0 18500 24 12130	105	6.62	2002MNRAS.332745 2010ApJ723.1072B	W 2016ApJ82446B				
WD1202+608	12 04	8.54 +6	60 32 08.1 Y		1.49303	2149.9632	0.00011	N	N		13.5	202.1	107.6 77.4	7.4		0.486	>0.014		#VALUE	9	0		0.02	1995ApJ452L.133H	2010000.004400				Feige 55
SDSS J022932.28+713 7	02 29	2 +7	71 30 02.48 N	1.49	4595833 1.55578	2152.218	0.000025	N	N		16.28 12.7	1625.0	169	3		0.18	0.02 1	1.19	0.21 1.	37 0.21	11 8567		4.11 1920 7.8	2024ApJ 968 42A					photometric variability. unseen companion. ELM WD + WD or ELM WD + NS
L870-2 J1130+0933	01 37	9.34 -04	04 59 44.3 Y 09 33 03.6 Y		1.55578	2240.3232 2245.464	0.00045	Y	N		12.7	12.6		2.3 69.6	2.3	0.18 0.47 0.179	0.02 1 0.05 0 0.01 >0.19	0.52	0.21 1. 0.05 0. #VALUE	37 0.21 99 0.07	11 8567 71 7470	99	920 7.8 5.062	7.89 1988ApJ 334 947S 2016ApJ 818 155B	1989ApJ345L91B				In SPY WD 0135-052. Closest SB2 WD known. First discovered SB2 white dwarf system. Very high pm (800mas/yr)
WD1204+450	12 06	7.78 +4	44 49 53.9 Y		1.602663	2307.83472	0.00014	Y	N N		15.1	121.9	99.6	2.2		0.46		0.52	0.	98	0 31000	160	1000	2002MNRAS.332.745	м				Gaia ID 1539240932275710720
WD 1447-190	14 50 1	.93 -19	9 14 08.67 N		1.79083	2578.7952		N	N		15.7	48.6	83.8	1.3		0.41	0.1 0	0.33	0.09 0.	74 0.13	85 8000	50	000 7.65	7.5 2020MNRAS.493.280	к				
WD0341+021 WD0326-273	03 28	0.75 +00 8.74 -27	02 15 29.8 Y 27 19 00.6 Y		1.820697	2621.80368 2700.576	0.0005	N N	N N		15.4 13.6	143.5 23.0	73 96.2	0.5		0.38		0.59		1.1	0 9158		7.44	2000MNRAS.319305 2005A&A440.1087N	w				In SPY, P from SPY follow-up In SPY, Looks like a triple from gaia (common pm)
HE0315-0118 PG 1632+177	03 18	3.25 -01	11 07 11.7 Y		1.9128 2.04987	2754.432 2951.8128	0.00025	Y	N o		14.7	70.2 25.6		2 58.4	1.9	0.4	0.05	0.49	0.05 0.	89 0.07 89 0.02	71 12720 28 11500		7.74 1100 7.78	2017MNRAS.466.157 7.55 2021MNRAS.502.497	R 2020A&A638A 131N K 2024MNRAS 532 2534			DBL	In SPY. SDSSJ031813.25-010711.7. WD0315-013 WDJ163441.85+173634.09
J1128+1743	11 28	3.33 +1	17 43 54.6 Y		2.165	3117.6	0.039	N	N.		19.6	1627.6	78.2 41.2	2 58.4	1.9	0.4 0.49 0.183	0.01 >0.11		#VALUE	0.0	11260)	4.756	2016ApJ 818.155B				and.	
WD1349+144 HE1511-0448		3.92 +1-	14 09 45.4 Y		2.2094 3.222	3181.536 4639.68	0.0001	Y	N		15.2 15.3	115.7 292.9	74.5			0.53 0.48	>0.46	0.33	#VALUE	86	0 16600		7.65 7.45	2003whdw.conf43K 2005A&A440.1087N	2005A&A440.1087N				In SPY In SPY, this is a SPY paper, Nelemans et al 2005
NE (011-0448	15 14	2.97 -04	34 Did 33.4 Y		3.222	4639.68	0.001	N	N		15.3	292.9				0.48	>0.46		∓VALUE	2	u 50896		7.45	2005A&A440.1087N					III OF 1, IIIIS IS IN OF 1 PAPER, INDIAMENTAL SELECTION

									Verific Binary/ LISA	0	stance														Discovery DBL	
Unique ID	RA	Dec	SecureDWD binary? Period (da	v) Peri	iod (min) F	Period error Aliases	Double lined?	Eclipsing	LISA Detectable		old for terature)	\$1 (km/s) K1	error K2 (km/s) K2 error	M1 M1 er	ror M2	M2 e	rror Mtotal	Mtotal	T1	T2	Logg1	Logg2 Ref1	Ref 2	Ref 3	(SPY/ELM to include, Ref 4 incomplete)	Comment
	12 44 28.57			34741	4820.2704	0.00014	N	N		14	83.3	68.4	0.9	0.31	>0.373		0.022 #VALUE	0.02	2			1995MNRAS.2758				Spectra in SPY also. Not listed as DD from SPY alone, WD1241-010
PG1317+453	13 19 13.71		Y 4.	87214	7015.8816	0.00022	N	N		14.1	49.1			0.33	>0.421		#VALUE	9 (0			1995MNRAS.2758	28M			WD1317+453
PG2032+188	20 35 13.81	+18 59 21.6	Y	5.0846	7321.824	0.0003	N	N		15.4	109.2	63.5	1.59	0.406	>0.469		#VALUE	9 (0 185	40	7.48	1995MNRAS.2758	28M 2005MNRAS.359.6	48M		Spectra in SPY
WD1824+040	18 27 13.08	+04 03 46.7	Y	6.266	9023.04	0.00005	N	N		13.9	44.6	61.87	0.55	0.428	>0.515		#VALUE	9 (0 147	87	7.46	2005MNRAS.3596	48M 2020A&A638A.13	1N		In SPY
	11 17 55.11			30.088	43326.72	0.016	Y	N		15.1	90.5					1.52	0.12 0.	95 0.19	2 220	90 1621	0 8.12					In SPY, DA+DB long period
WD2253+081	22 55 49.49	-07 50 03.3	N				N	?		16.4	36.0			0.2				1.2	0			2017MNRAS.467.1	14M			Spectra in SPY
	13 36 33.67		Y				N	2		15.4	105.8			0.35			0	35	0 168	91	7.27	2020A&A638A.13				In SPY
		-31 29 54.3	M				N	2		16.1	431.1			0.35			0.		0			2017MNRAS.467.1-				Spectra in SPY. Phot variable in Gala
1100032-311	00 04 40.02	-012334.3								10.1	401.1			0.55			0.					20171841040.401.1				In SPY, Attempted in WD-BASS but difficult to get good line cores -> third body/thinner H abundance. Similar flux
WD2336-187	23 38 52.80	-18 26 12.7	Y				Y	?		15.5	37.2			0.36			0.	36	0 78	110	7.46	2020A&A638A.13	1N			contributing stars.
WD0344+073	03 46 51.42	+07 28 01.9	Y				Y	?		16.6	139.2			0.39			0.	39	0 104	53	7.5	2020A&A638A.13	1N			In SPY
WDJ135342.35+165651.75	13 53 42.35	+16 56 51.75	Y				Y	?		16.6	102.2			0.47	0.04	1.43	0.05	0.06	4 96	00 760	0 7.76	7.6 2024MNRAS.532.2	534M		DBL	
WDJ002602.29-103751.86	00 26 02 29	-10 37 51.86	Y				Y	?		16.2	88.5			0.47	0.02	1.42	0.02 0.	89 0.02	8 107	00 580	0 7.74	7.6 2024MNRAS.532.2	534M		DBL	
																										In SPY A fit to the SPY data in WD-BASS (unpublished) gives T1=12000 T2=8350 logg1 = 7.71 logg2=7.57
	02 08 08.00		Y				Y	?		15.9	100.7			0.413			0.4		0 117		7.54	2020A&A638A.13				M1=0.46 M2=0.41
WDJ183442.33-170028.00							Y	?		16.9	96.7					1.46	0.03 0.					7.76 2024MNRAS.532.2			DBL	
WDJ141632.84+111003.85							Y	?		16.9	129.3					1.42	0.02 0.					7.6 2024MNRAS.532.2			DBL	
WDJ212935.23+001332.26	21 29 35.23	+00 13 32.26	Y				Y	?		15.5	65.4			0.44	0.04	1.44	0.02 0.	88 0.04	5 92	00 790	0 7.69	7.64 2024MNRAS.532.2	534M		DBL	
	23 47 46.16		Y				N	?		15.9	246.8			0.43			0.	43	0 293		7.32	2020A&A638A.13	1N			In SPY
WDJ152038.37+390349.32	15 20 38.37	+39 03 49.32	Y				Y	?		16.9	94.4			0.61	0.03	1.32	0.02 0.	93 0.03	6 96	00 540	0 8.02	7.35 2024MNRAS.532.2	534M		DBL	
HE0031-5525	00 33 36.03	-55 08 37.5	N				N	?		15.8	67.9			0.45			0.	45	0			2017MNRAS.467.1				Spectra in SPY
WD2308+050	23 11 18.05	+05 19 27.9	N				N	?		16	230.9			0.45			0.	45	0			2017MNRAS.467.1				Spectra in SPY
	23 32 59.52		Y				N	?		16.7	263.2			0.45			0.		0 264	42	7.44	2020A&A638A.13				In SPY
WDJ114446.16+364151.13			Y				Y	?		15.1	89.7			0.42	0.02	1.45	0.04 0.	87 0.04	5 133	00 1300	0 7.63	7.69 2024MNRAS.532.2	534M		DBL	
WDJ005413.14+415613.73							Ý	2		15.7	54.1					1.45	0.04 0					7.72 2024MNRAS.532.2			DBL	
WDJ084457.81+453632.94							Ÿ	2		15.9	60.7					1.43	0.04 0.					7.71 2024MNRAS.532.2			DBL	
	04 56 58.35		· v				N N	2		16.8	233.5			0.47				47	0 543		7.00	2020A&A638A.13			550	In SPY
WDJ000319.54+022623.28			· v				N V	2		16.8	158.3				0.02	1.38	0.025 0.	85 0.03			7.68	7.48 2024MNRAS.532.2			DBL	mar r
WDJ000319.54+022623.28 WDJ013446.42+282616.83								2		16.4	177.2					1.38	0.025 0:					7.6 2024MNRAS.532.2 7.6 2024MNRAS.532.2			DBL	
WDJ020119.40-050748.59								-		16.8	85.1					1.54	0.02 0.					7.91 2024MNRAS.532.2				
							Y	7			55.0														DBL	
WDJ151109.90+404801.18							Y	?		15.7												7.71 2024MNRAS.532.2			DBL	
WDJ170120.99-191527.57			Y				Y	?		15.2	97.0				0.03	1.48		15 0.03			00 8.08	7.75 2024MNRAS.532.2			DBL	
	03 27 43.92		Y				N	?		16.3	104.9			0.49			0.		0 167	37	7.7	2020A&A638A.13				In SPY
WD1124-018	11 27 20.76		Y				N	?		19.7	179.7			0.49			0.		0			2017MNRAS.468.2				In SPY
WDJ211327.98+720814.03			Y				Y	?		16	96.2			0.42	0.02	1.38	0.02	0.02	8 111		0 7.63	7.5 2024MNRAS.532.2			DBL	
		+02 04 21.4	Y				N	?		14.7	47.8			0.5				0.5	0 152	28	7.75	2020A&A638A.13				In SPY
		-60 16 07.6	N				N	?		15.1	97.3			0.5				0.5	0			2017MNRAS.467.1-				Spectra in SPY
HE0417-3033	04 19 22.07	-30 26 44.0	N				N	?		16.6	144.0			0.5				0.5	0			2017MNRAS.467.1-	14M			Spectra in SPY
HS1204+0159	12 07 29.51	+01 42 50.6	N				N	?		17	219.3			0.5				0.5	0			2017MNRAS.467.1-	14M			Spectra in SPY
																										In SPY, WD0037-006. A fit to the SPY data in WD-BASS (unpublished) gives T1=13760 T2=7630 logg1 = 7.98
	00 40 22.88		Y				Y	?		14.8	54.8			0.505			0.5		0 139		7.78	2020A&A638A.13				logg2=7.73 M1=0.60 M2=0.45
WDJ221209.01+612906.96							Y	?		16.3	64.5						0.035 1.					7.93 2024MNRAS.532.2			DBL	
WDJ182606.04+482911.30	18 26 06.04	+48 29 11.30	Y				Y	?		16.3	136.0				0.045	1.54	0.055 1.	0.07	1 144	00 1130	00 7.72	7.89 2024MNRAS.532.2	534M		DBL	
WDJ141625.94+311600.55							Y	?		15.7	115.7					1.42	0.02 0.					7.62 2024MNRAS.532.2			DBL	
WDJ014202.72+262354.58	01 42 02.72	+26 23 54.58	Y				Y	?		17.3	173.2			0.53	0.03	1.45	0.03 0:	98 0.04	2 122	900 830	0 7.86	7.72 2024MNRAS.532.2	534M		DBL	
		+14 36 03.2					N	?		14.5	83.4			0.54			0.				7.79	2020A&A638A.13				In SPY
WDJ231404.30+552814.11	23 14 04.30	+55 28 14.11	Y				Y	?		16.1	105.3			0.66	0.03	1.38	0.02 1.	0.03	6 140	000 860	8.08	7.5 2024MNRAS.532.2	534M		DBL	
WD2254+126	22 56 46.26	12 52 49.9	N				N	?		15.8	62.6			0.55			0.	55	0			2017MNRAS.467.1-	14M			Spectra in SPY
HE0221-2642	02 23 29.4	-26 29 19.7	N				N	?		15.8	179.0			0.55			0.	55	0			2017MNRAS.467.1-	14M			Spectra in SPY
HE0344-1207	03 47 06.71	-11 58 08.5	N				N	?		16	68.1			0.55			0.	55	0			2017MNRAS.467.1-	14M			Spectra in SPY. Phot variable in Gaia
HE0516-1804	05 19 04.27	-18 01 29.1	N				N	?		16.2	83.6			0.55			0.	55	0			2017MNRAS.467.1	14M			Spectra in SPY. Maybe triple? Common proper motion pair in dr3
	00 02 32.36		N				N	?		16.3	192.6			0.55			0.	55	0			2017MNRAS.467.1	14M			Spectra in SPY
WDJ013812.93+444252.10	01 38 12.93	+44 42 52.10	Y				Y	?		15.5	81.6			0.57	0.02	1.53	0.03 1	1.1 0.03	6 150	00 800	0 7.92	7.88 2024MNRAS.532.2			DBL	
WDJ180115.37+721848.76	18 01 15.37	+72 18 48.76	Y				Y	?		16	128.4			0.55	0.02	1.62	0.03 1.	17 0.03	6 180	00 1120	0 7.88	8.02 2024MNRAS.532.2	534M		DBL	
	22 51 02.02		N				N	?		15.1	62.7			0.6				0.6	0			2017MNRAS.467.1-				Spectra in SPY
		-05 21 45.9	N				N	?		15.7	112.0			0.6				0.6	0			2017MNRAS.467.1-				Spectra in SPY
WDJ080856.79+461300.08							Y	2		16.2	118.2				0.03	1.47	0.02 1		6 140	00 1010	0 7.99	7.76 2024MNRAS.532.2			DBL	
WDJ130014.82+181734.41							Y	2		16.4	84.3					1.46	0.02 1.					7.75 2024MNRAS.532.2			DBI	
	00 14.02							-		10.4	J-1.3			0.00				0.04.	_ 109	6/0	0.13				550	In SPY A fit to the SPY data in WD-BASS (unpublished) gives T1=18720 T2=13700 logg1 = 8.00 logg2=7.95
HS2216+1551	22 18 57.16	+16 06 57.4	Y				Y	7		16	130.5			0.64			0.	64	0 191	63	8.04	2020A&A638A.13	1N			M1=0.62 M2=0.71
WDJ020847.22+251409.97							Y	?		13.2	39.1			0.55	0.02	1.74	0.03 1.	29 0.03	6 212	00 1160		8.21 2024MNRAS.532.2			DBL	
WDJ192420.74+070135.14							Y	?		16.6	161.7						0.045 1.					8.03 2024MNRAS.532.2			DBL	
		+10 47 01.5					Y	?		16.5	112.9			0.67			0.		0 174		8.1	2020A&A638A.13				In SPY
		+00 56 00.8					N	?		16	216.2			0.7				1.7	0		-	2017MNRAS.467.1-				Spectra in SPY
		-38 43 04.5					N	2		164	175.5			0.7				17	0			2017MNRAS 467 1				Spectra in SPY
WDJ180150.89+103401.08							Ü	2		15.7	115.9				0.02	1.53		12 0.03	6 220	00 830	0 7.92	7.89 2024MNRAS.532.2			DBL	openio com .
WDJ165935.59+620934.03							·	2		16.3	111.8					0.7		12 0.03				7.89 2024MNRAS.532.2 8.17 2024MNRAS.532.2			DBL	
WDJ165935.59+620934.03 WDJ181058.67+311940.94								2		16.3	49.0					721	0.02 1.5					8.17 2024MNRAS.532.2 8.164 2024MNRAS.532.2			DBL	
WDJ181058.67+311940.94 WDJ214323.95-175413.00							Y	,		16.1	49.0 119.2					721 1.64		55 0.04 28 0.04				8.164 2024MNRAS.532.2 8.04 2024MNRAS.532.2		int	DBL DBL	
WDJ214323.95-175413.00 WDJ192002.51-184442.99								,		16.7	119.2							28 0.04: 38 0.06	4 204			8.04 2024MNRAS.532.2 8.08 2024MNRAS.532.2			DBL	
							Y	-							0.045	1.65			204	oo 1200	u 8.17				DBL	
WD1233-164	12 36 14.02	-16 41 53.5	N				N	7		15.1	66.8			0.75			0.	75	U			2017MNRAS.467.1	14M			Spectra in SPY
HE0324-1942	03 27 05.02	.19 32 23 °	v				v	2		10	140.6			0.78			0.	78	0 238	811	8.27	2009A&A505.441	к		SPY	In SPY A fit to the SPY data in WD-BASS (unpublished) gives T1=22200 T2=16600 logg1 = 8.17 logg2=8.08 M1=0.73 M2=0.66
	01 30 27 9		· v				÷	2		152	53.8			0.76			0.		0 230		8.41	1994An.I 429 369		HM	u 1	In SPY, DAB but no obvious RV change
	01 30 27.9		M.				Ü	2		15.2	24.4			0.864			0.8		0 134		8.41	2020A&A638A.13				In SPY, DAS but no obvious RV change In SPY
								-		15.5	24.4 45.5			0.00			0.	00	o 88	193	8.43	2020A&A638A.13				
		+05 16 06.3	N				7	7										0 1	0			2017MNRAS.467.1	114M,			Spectra in SPY
	02 15 36.72		Y				?	7		16.8	180.4							0	U							
	01 03 50.01		Y				N	?		13.9	22.0							0 1	0 83		7.77	1999MNRAS.3071		105M 2020A&A638A.131N		In SPY, multiple competing aliases
		+41 29 55.62					Y	7		14.6	32.1							0	0 74		8.04	2003ApJ 596.477				Quoted in paper as double Hbeta cores
		1-09 05 08.77					N	N		15.3	38.3							28 0.17								Spectra in SPY also. Very high RUWE
ATLAS J1138-5139	11 38 10.91	-51 39 49.15	Y		27.69	0.03	N	Y	Y	16.9	553.0		687.4 3.	8 1.02	0.04	1.24	0.03 1.	26 0.0		935			2411.1991 https://arxiv.org/abs			A candidate LISA detectable type la supernova progenitor