

I THE NEAREST STARS, BROWN DWARFS, AND WHITE DWARFS

The Nearest Stars, Brown Dwarfs, and White Dwarfs

Star	System	Discovery Name	Distance (light-year)	Spectral Type	Location: RA ^[1]	Location: Dec ^[2]	Luminosity (Sun = 1)
		Sun	—	G2 V	—	—	1
1	1	Proxima Centauri	4.2	M5.5 V	14 29	−62 40	5×10^{-5}
2	2	Alpha Centauri A	4.4	G2 V	14 39	−60 50	1.5
3		Alpha Centauri B	4.4	K2 IV	14 39	−60 50	0.5
4	3	Barnard's Star	6.0	M4 V	17 57	+04 42	4.4×10^{-4}
5	4	Wolf 359	7.8	M6 V	10 56	+07 00	2×10^{-5}
6	5	Lalande 21 185	8.3	M2 V	11 03	+35 58	5.7×10^{-3}
7	6	Sirius A	8.6	A1 V	06 45	−16 42	23.1
8		Sirius B	8.6	DA2 ^[3]	06 45	−16 43	2.5×10^{-3}
9	7	Luyten 726-8 A	8.7	M5.5 V	01 39	−17 57	6×10^{-5}
10		Luyten 726-8 B (UV Ceti)	8.7	M6 V	01 39	−17 57	4×10^{-5}
11	8	Ross 154	9.7	M.05 V	18 49	−23 50	5×10^{-4}
12	9	Ross 248 (HH Andromedae)	10.3	M5.5 V	23 41	+44 10	1.0×10^{-4}
13	10	Epsilon Eridani	10.5	K2 V	03 32	−09 27	0.29
14	11	Lacaille 9352	10.7	M0.5 V	23 05	−35 51	0.011
15	12	Ross 128 (FI Virginis)	10.9	M4 V	11 47	+00 48	3.4×10^{-4}
16	13	Luyten 789-6 A (EZ Aquarii A)	11.3	M5 V	22 38	−15 17	5×10^{-5}

Table I1

1 Location (right ascension) given for Epoch 2000.0

2 Location (declination) given for Epoch 2000.0

3 White dwarf stellar remnant

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17		Luyten 789-6 B (EZ Aquarii B)	11.3	M5.5 V	22 38	-15 15	5×10^{-5}
18		Luyten 789-6 C (EZ Aquarii C)	11.3	M6.5 V	22 38	-15 17	2×10^{-5}
19	14	61 Cygni A	11.4	K5 V	21 06	+38 44	0.086
20		61 Cygni B	11.4	K7 V	21 06	+38 44	0.041
21	15	Procyon A	11.4	F51V	07 39	+05 13	7.38
22		Procyon B	11.4	wd ^[4]	07 39	+05 13	5.5×10^{-4}
23	16	Sigma 2398 A	11.5	M3 V	18 42	+59 37	0.003
24		Sigma 2398 B	11.5	M3.5 V	18 42	+59 37	1.4×10^{-3}
25	17	Groombridge 34 A (GX Andromedae)	11.6	M1.5 V	00 18	+44 01	6.4×10^{-3}
26		Groombridge 34 B (GQ Andromedae)	11.6	M3.5 V	00 18	+44 01	4.1×10^{-4}
27	18	Epsilon Indi A	11.8	K5 V	22 03	-56 46	0.150
28		Epsilon Indi Ba	11.7	T1 ^[5]	22 04	-56 46	—
29		Epsilon Indi Bb	11.7	T6 ^[6]	22 04	-56 46	—
30	19	G 51-15 (DX Cancri)	11.8	M6.5 V	08 29	+26 46	1×10^{-5}
31	20	Tau Ceti	11.9	G8.5 V	01 44	-15 56	0.458
32	21	Luyten 372-58	12.0	M5 V	03 35	-44 30	7×10^{-5}
33	22	Luyten 725-32 (YZ Ceti)	12.1	M4.5 V	01 12	-16 59	1.8×10^{-4}

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4 White dwarf stellar remnant

5 Brown dwarf

6 Brown dwarf

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Star	System	Discovery Name	Distance (light-year)	Spectral Type	Location: RA	Location: Dec	Luminosity (Sun = 1)
34	23	Luyten's Star	12.4	M3.5 V	07 27	+05 13	1.4×10^{-3}
35	24	SCR J184-6357 A	12.6	M8.5 V	18 45	-63 57	1×10^{-6}
36		SCR J184-6357 B	12.7	T6 ^[7]	18 45	-63 57	—
37	25	Teegarden's Star	12.5	M6 V	02 53	+16 52	1×10^{-5}
38	26	Kapteyn's Star	12.8	M1 V	05 11	-45 01	3.8×10^{-3}
39	27	Lacaille 8760 (AX Microscopium)	12.9	K7 V	21 17	-38 52	0.029

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