

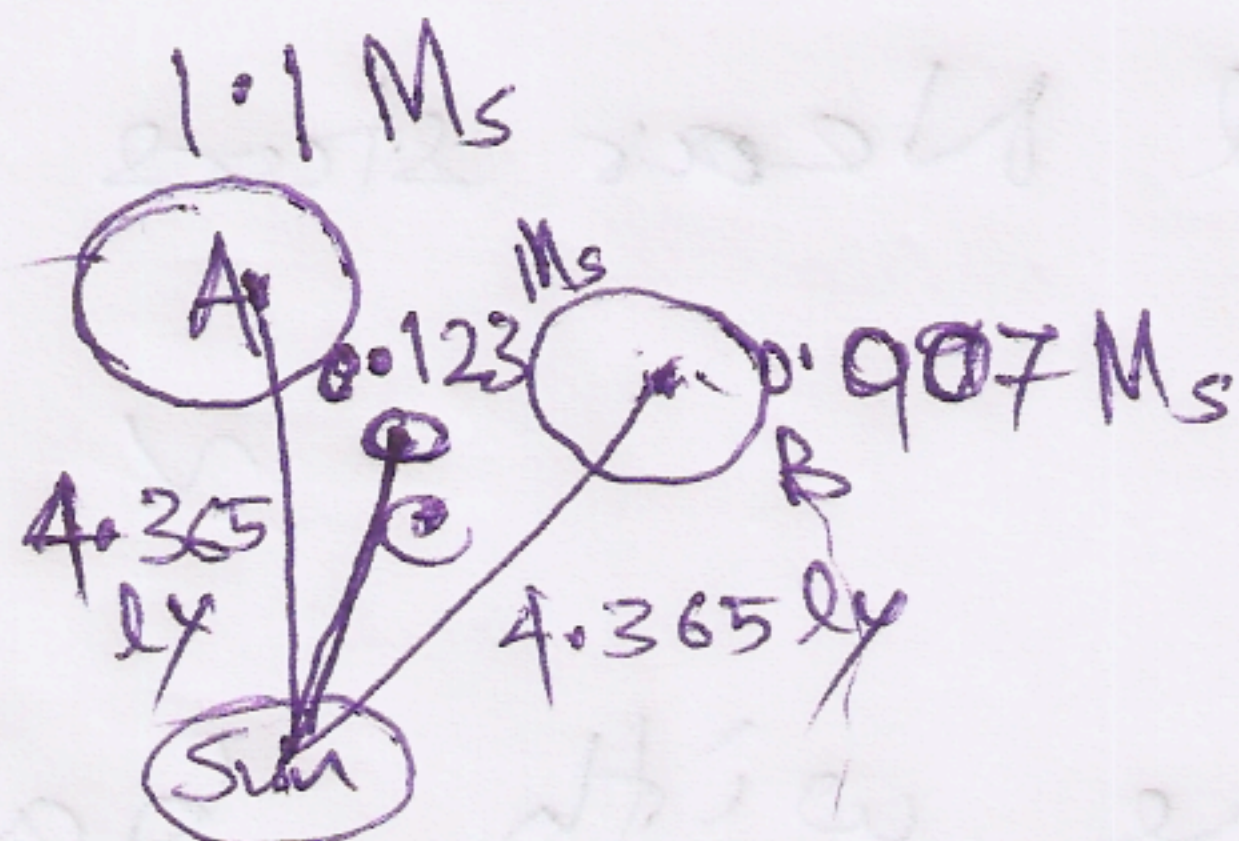
Sun and Near stars.

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Sun + Alpha Centauri A, B, C.

C is known as Proxima Centauri.

Schematic



Sun to C
is 4.24 ly.

$$1 + 1.1 + 0.907 + 0.123$$

$$\approx 3.13$$

$$3.13 \times 1.99 \times 10^{30} \text{ kg}$$

$$\frac{12.56 \times (4.365 \times 9.461 \times 10^{15})^3 \text{ m}^3}{}$$

Sun and Near
Star density

$$= 7.041 \times 10^{-24} \text{ g/cc}$$