

The Basic Numbers of Astronomy

Memorize

Distance Scales

Astronomical Unit $AU = 1.50 \times 10^{13}$ cm

Parsec $pc = 3.09 \times 10^{18}$ cm

Solar Units

Solar Mass $M_{\odot} = 1.99 \times 10^{33}$ gm

Solar Radius $R_{\odot} = 6.96 \times 10^{10}$ cm

Solar Luminosity $L_{\odot} = 3.845 \times 10^{33}$ ergs/sec