Constants and useful numbers

Lengths

One light year: 9.46×10^{15}m

Parsec: 3.09×10^{16}m

Astronomical Units: 1.496×10^{11}m

Mega-parsec: 10^6 parsecs

Kilo-parsec: 10^3 parsecs

Radius of Earth: 6371 km

Radius of Jupiter: 69911 km

Radius of Sun: 695500 km

Masses

Earth Mass: 5.97×10^{24} kg

Jupiter Mass: 1.898×10^{27} kg

Solar Mass: 1.989×10^{30} kg

Luminosities

Solar Luminosity: 3.846×10^{26} W

Physical Constants

Speed of Light: 2.998×10^{8} m/s

Gravitational Constant G: 6.67×10^{-11} $m^3 kg^{-1} s^{-2}$

Planck's Constant h: 6.62×10^{-34} $m^2 kg\ s^{-1}$

Stefan-Boltzmann Constant σ: 5.67×10^{-8} $W\ m^{-2}\ K^{-4}$

Boltzmann's Constant k: 1.38×10^{-23} J/K

Key wavelengths