**Planetary Gravitational Coefficients and Radii**

Please use the following coefficients for homework, labs, and projects. Radii units are km, gravitational coefficients are km3/s2.

AU = 1.49597870700e8;

Days per year = 365.242189;

Gravitational coefficients (km3/s2)

Sun = 1.32712440018e11;

Venus   = 3.24858599e5;

Earth   = 3.98600433e5;

Mars    = 4.28283100e4;

Jupiter = 1.266865361e8;

Saturn  = 3.7931208e7;

Uranus  = 5.7939513e6;

Neptune = 6.835100e6;

Pluto. = 8.71e2;

 Planetary radii (km)

Venus = 6051.8;

Earth = 6378.14;

Mars = 3396.19;

Jupiter = 71492;

Saturn  = 60268;

Uranus  = 25559;

Neptune = 24764;

Pluto = 1188.3;