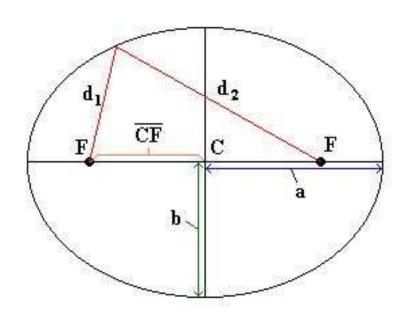
Properties of an Ellipse



a = semimajor axis

b = semiminor axis

e = eccentricity

$$e = \overline{CF}/a$$

F = focal point

C = center

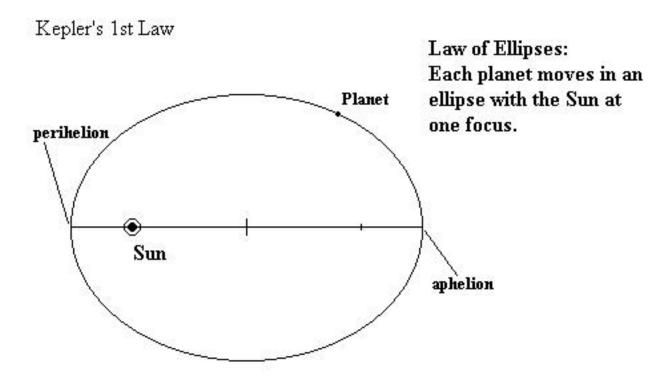
All points on the ellipse have the following property:

$$d_1 + d_2 = const.$$

(const. = 2a)

For the specific ellipse in this diagram:

a = 132 pixels, b = 100 pixels, $\overline{CF} = 86$ pixels, e = 0.65, const. = 264 pixels



Repler's 2nd Law Planet Planet Δt Sun An imaginary line between the Sun and the planet sweeps over equal areas in equal time intervals.

