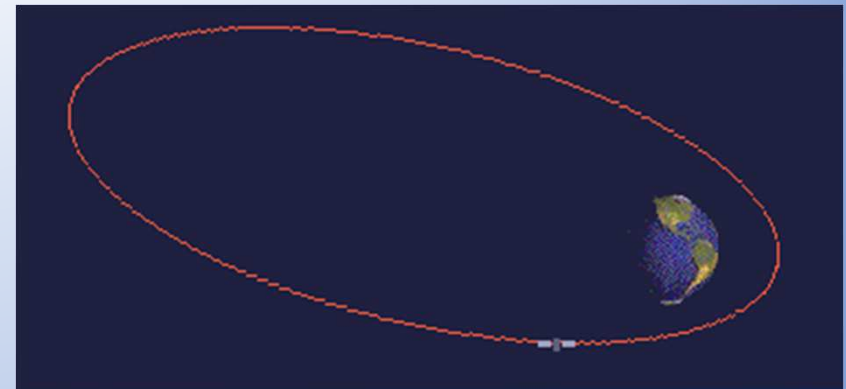
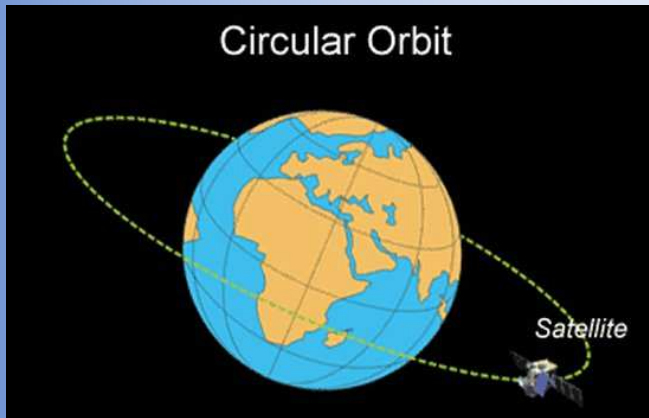


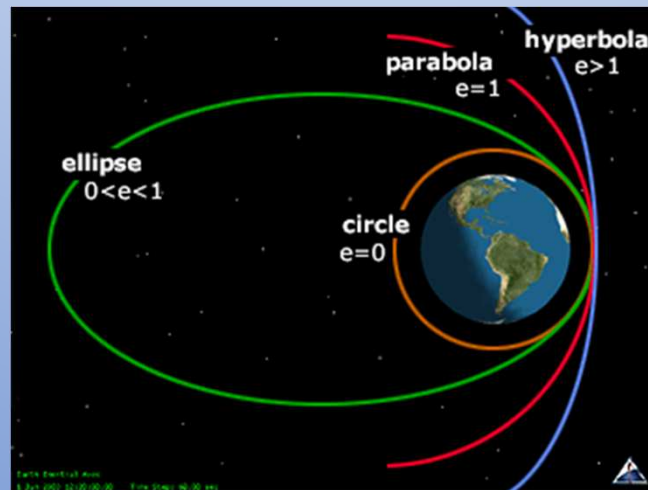
# Satellite motions



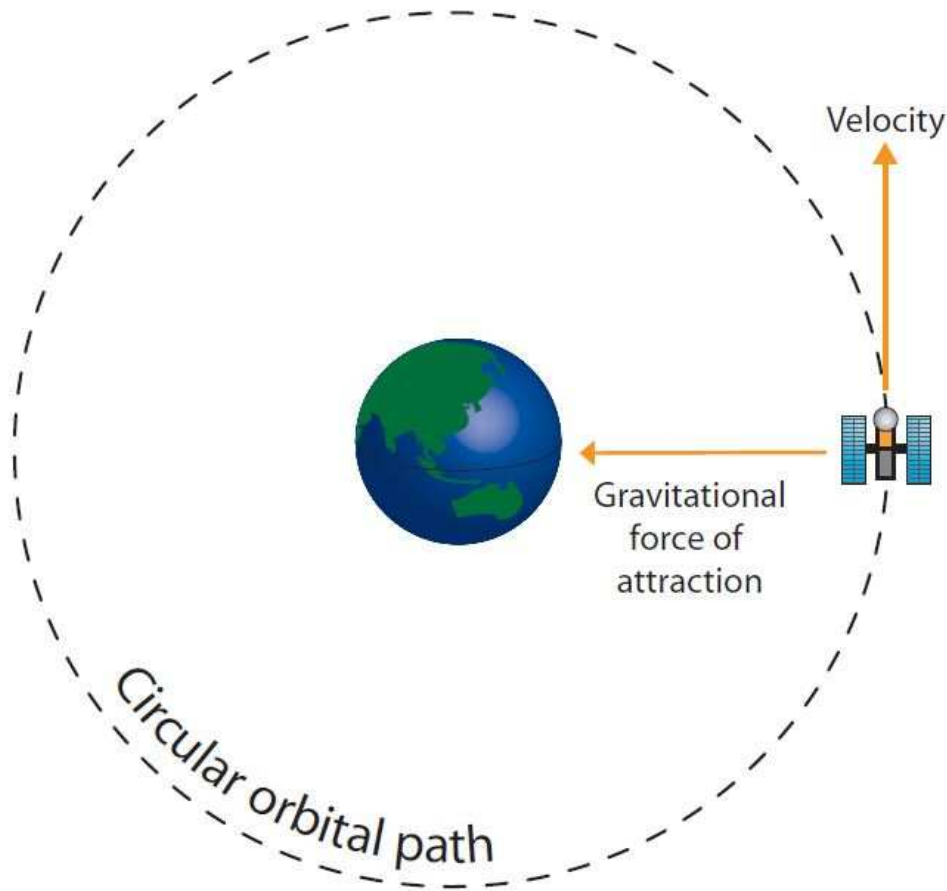
# Types of orbits



Elliptical Orbit



# Velocity of circular motion



Gravitational Force

Centripetal Force

$$G \frac{mM}{R^2} = m \frac{v^2}{R}$$

$$v = \sqrt{\frac{GM}{R}}$$