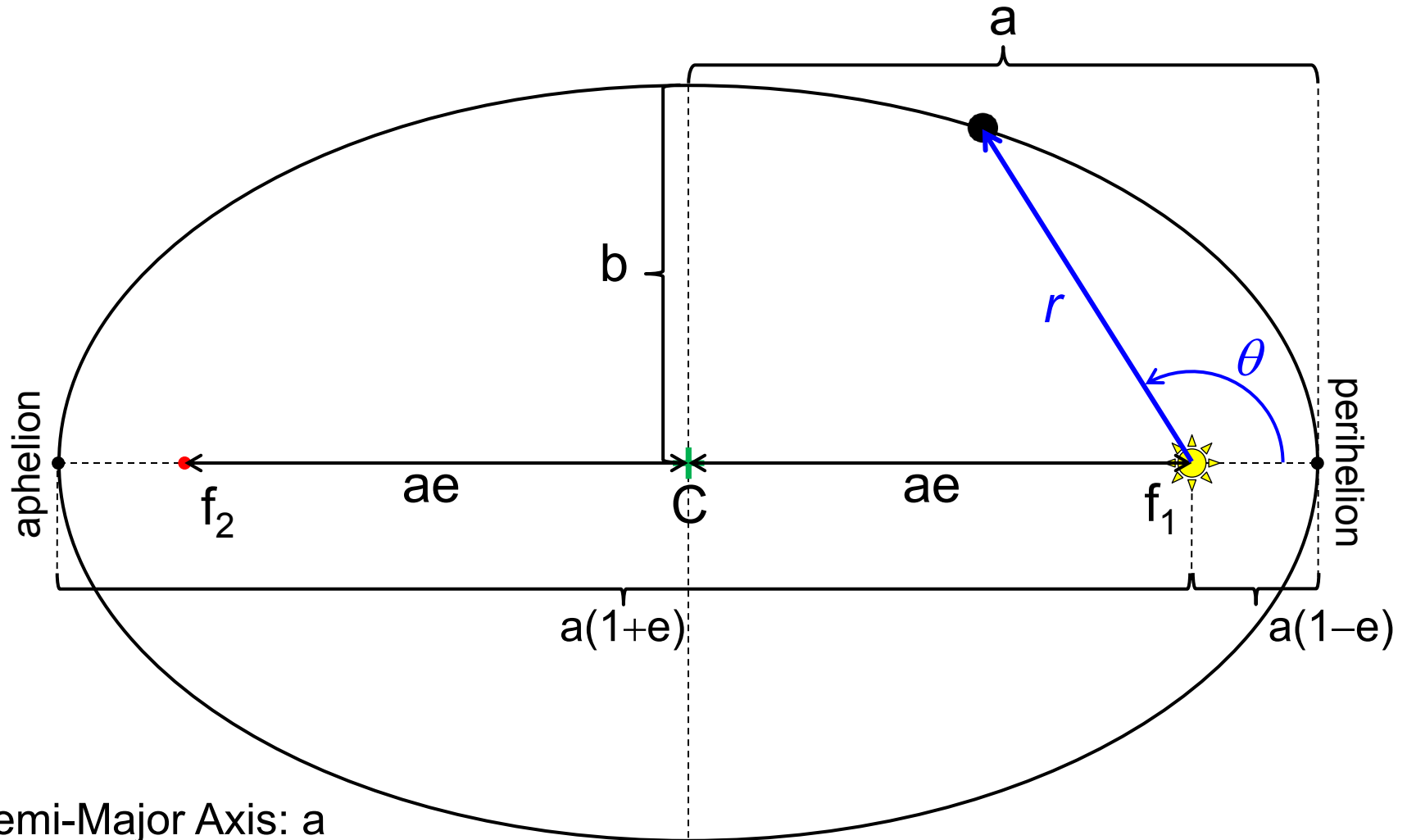


# Elliptical Orbit Geometry



Semi-Major Axis:  $a$

Eccentricity:  $e$

Perihelion:  $q = a(1-e)$

Aphelion:  $Q = a(1+e) = 2a - q$

This Ellipse:

$e = 0.8$

$b/a = (1-e^2)^{1/2} = 0.6$