



## The Orbit of Mars Drawn to Scale

The **BLACK** curve is the circle with center  $C$  and radius  $AC$ .  
The **RED** curve is Mars's elliptical orbit.  
The sun is at  $S$ , the lower focus of Mars's ellipse.  
 $A$  marks the aphelion, and  $P$  the perihelion.  
At  $Q$ , the difference between the ellipse and the corresponding circle reaches a maximum: it is less than 0.5% of the length of the radius of the circle.