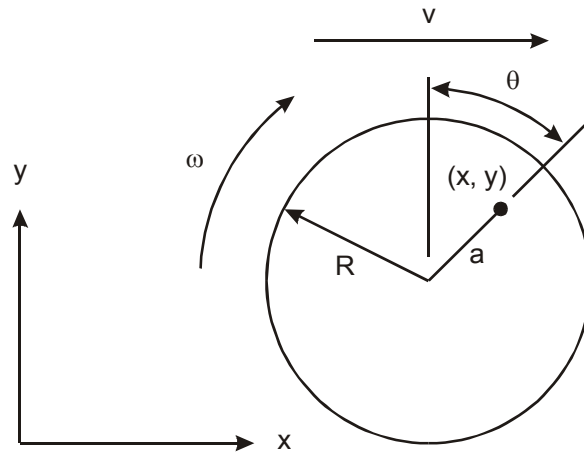


Cycloid Path



$$\begin{aligned} R &:= 1 & a &:= 0.5 \cdot R \\ \omega &:= 1 & v &:= \omega \cdot R & \theta(t) &:= \omega \cdot t \end{aligned}$$

$$\begin{aligned} x(t) &:= v \cdot t + a \cdot \sin(\theta(t)) \\ y(t) &:= R + a \cdot \cos(\theta(t)) \end{aligned}$$

$$t := 0, 0.01 \dots \frac{2 \cdot \pi}{\omega}$$

