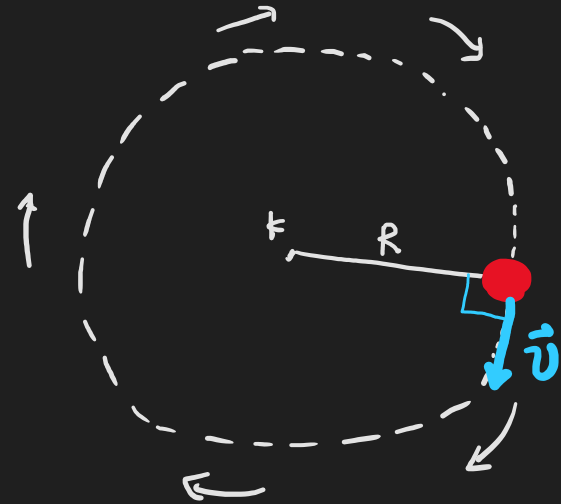
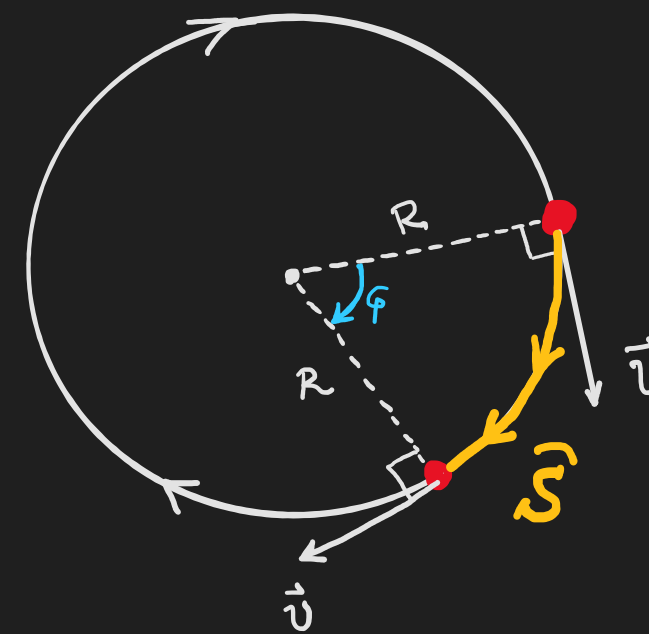


Τρ 10-11-2020

B+2



- κίνηση
 - ακτίνα
 - $\vec{v} \perp \vec{R}$
- Ευκλείδειο
κίνημα



$|\vec{v}| = \frac{\text{ακτίνα}}{\text{χρόνος}} (\vec{v} \perp \vec{R})$

Ο.Κ.Κ.

$v = \frac{\hat{s}}{t}$

$\hat{s}, t : \text{S.I.}$

$\hat{s} = 2\pi R$
 $t = 1T$

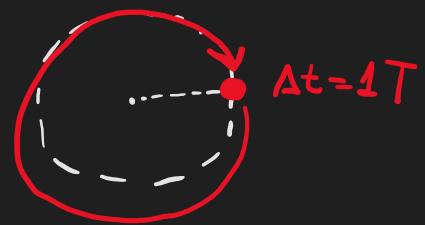
$v = \frac{2\pi R}{T}$

$\frac{1}{T} = f \rightarrow v = 2\pi R \cdot f$



Περίοδος: T (sec)

Συχνότητα: f (Hz)
Hertz



$f = \frac{N}{t}$

$\rightarrow$ φορές (περιφορές)
 $\rightarrow$ χρόνο

$\text{S.I.} : 1 \text{ Hz} = \frac{1}{\text{sec}} = \text{sec}^{-1}$

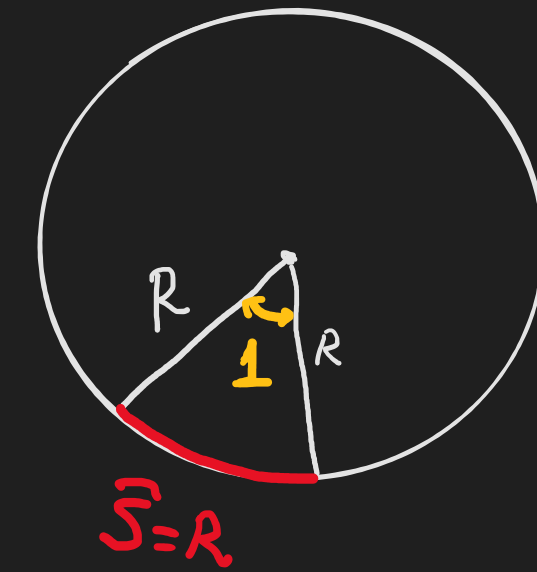
$f = \frac{N}{t} \xrightarrow[N=1]{t=1T} f = \frac{1}{T} \Leftrightarrow T = \frac{1}{f}$

1 πλήρης κύκλος:

$360^\circ \Leftrightarrow 2\pi \text{ rad}$

$\pi = 3,14159 \dots$

$360^\circ \Leftrightarrow 2\pi \text{ rad}$
 $180^\circ \Leftrightarrow \pi \text{ rad}$
 $90^\circ \Leftrightarrow \frac{\pi}{2} \text{ rad}$
 $45^\circ \Leftrightarrow \frac{\pi}{4} \text{ rad}$
 $60^\circ \Leftrightarrow \frac{\pi}{3} \text{ rad}$
 $30^\circ \Leftrightarrow \frac{\pi}{6} \text{ rad}$



$1 \text{ ακτίνα} = 1 \text{ rad}$

$1 \text{ rad} \approx 57,3^\circ$