

Signal sinusoïdal

#signal

$$S(t) = A \cos(\omega t + \varphi)$$

A : Amplitude, > 0

$(\omega t + \varphi)$: phase instantanée

φ : Phase initial

ω : pulsation, > 0

$$T = \frac{2n\pi}{\omega} \quad n \in \mathbb{Z}$$

$$T = \frac{2\pi}{\omega} \quad \omega = \frac{2\pi}{T} = 2\pi f$$