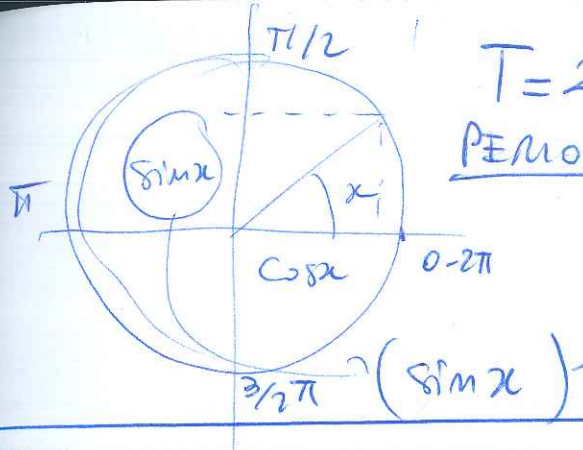
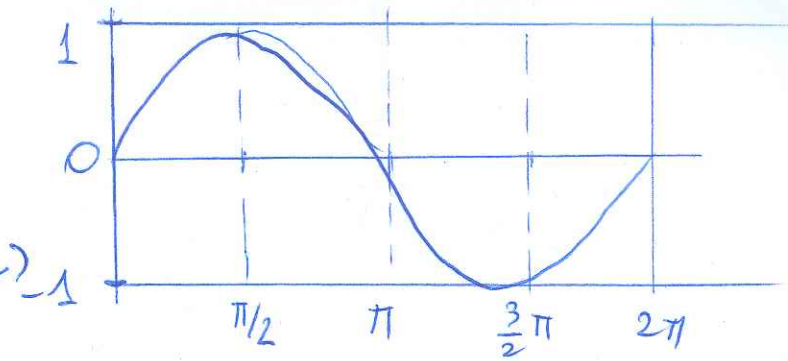


$T = 2\pi$

PERIOD



① PLOS SUBMISSION (CHARGES)

$$\partial_c(t) = \partial_0 + A_c \sin(\pi f t)$$

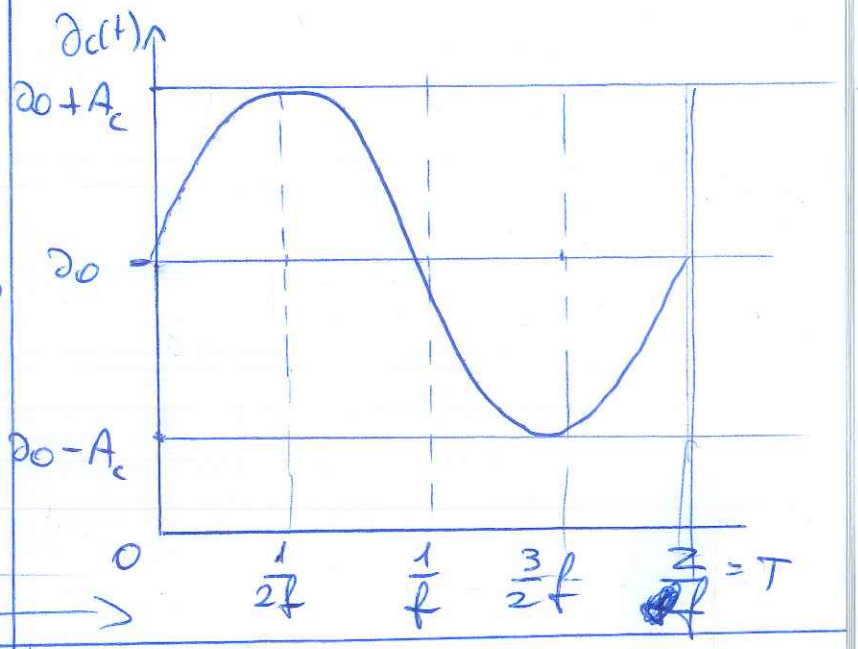
3 PARAMETERS

∂_0 → CRITICAL RADIUS

A_c → AMPLITUDE CHANGES

f → FREQUENCY CHANGES

Period $T = 2/f$



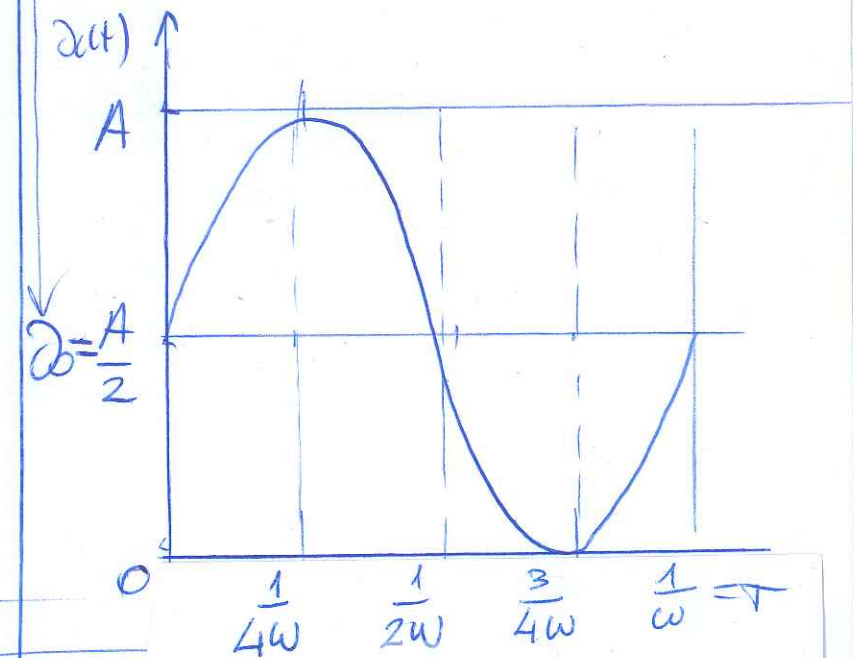
② NEW VERSION (ACEX-GOT)

$$\partial_c(t) = \frac{A}{2}(1 + \sin(2\pi\omega t))$$

2 PARAMETERS

A → AMPLITUDE GOT

ω → FREQUENCY GOT



PERIOD ⇒ $T = 1/\omega$

TRANSLATION THE CRITICAL RADIUS IS HALF THE AMPLITUDE

③ $\partial_0 \equiv A_c$

$\partial_c(t) = A_c(1 + \sin(\pi f t))$

$A_c = \frac{A}{2} = \partial_0$

$2\omega = f$ →