Alexander Valdes

Pre lab 8

[8.1]

Period = 0.02 seconds || delta t = 0.001 seconds|| phase angle = 18 degrees

[8.2]

For a resistor

For a capacitor

[8.3]

V= R\*I0\*sqrt(1+((1-(1-lc)cl)/(wcr))^2)\*cos((t/sqrt(lc))-arctan((1-(1/lc)cl)/wcr))

\*for some reason word keeps un formatting the equation in 8.3, im very sorry for how it looks.