

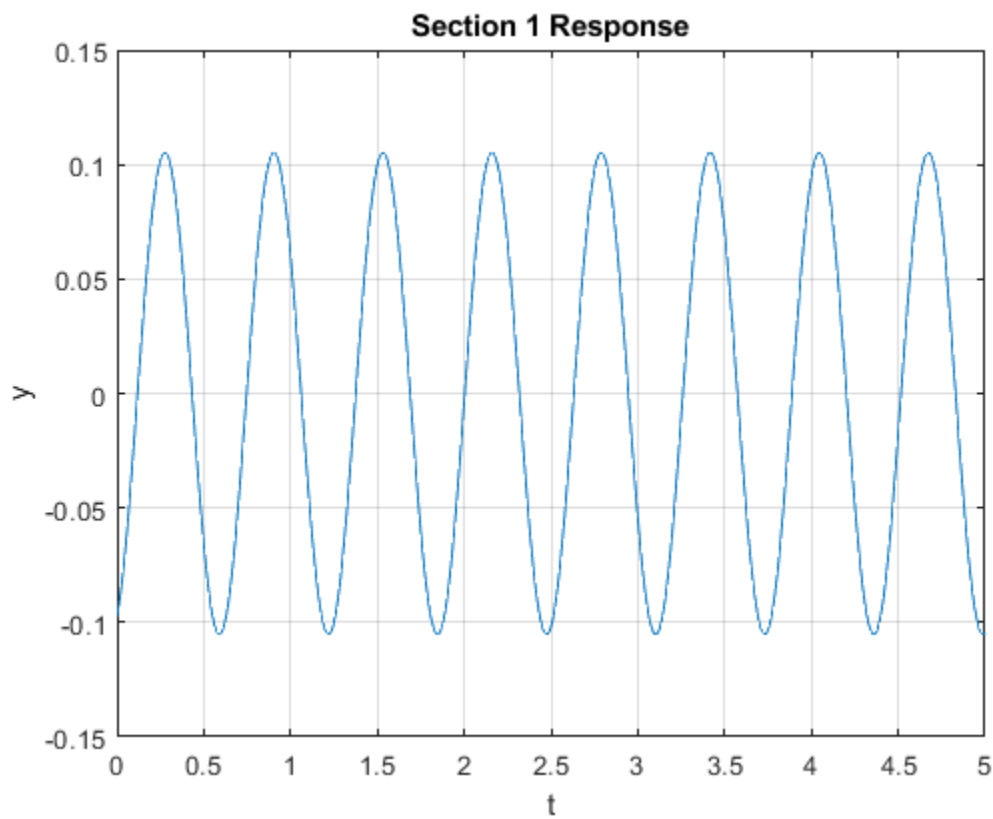
Lab 3 Report

EEET-332-01:Signals, Systems, and Transforms Lab

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1 Section 1



2 Section 4

a) $x = 2$

$$\begin{aligned}\vec{X} &= 2\angle 0^\circ \\ s &= 0 \\ \vec{Y} &= 1\end{aligned}\tag{1}$$

b) $x = 6 \cos(3t + 30^\circ)$

$$\begin{aligned}\vec{X} &= 6\angle 30^\circ = 6e^{0.52359878j} \\ s &= 3j \\ \vec{Y} &= 0.98361e^{1.1671j}\end{aligned}\tag{2}$$

Final Equation: $y(t) = 1 + 0.98361 * \cos(3t + 66.86990427)$