CPE381 FA 2024 Classwork 11 10/02/2024.

Instructor : Rahul Bhadani

Q1. Find the fourier coefficients for $x(t) = B + A\sin(\Omega_0 t + \theta)$ and hence write the fourier series representation in terms of exponentials.

Q2. $x(t) = \cos\left(2t + \frac{\pi}{4}\right)$. Find the fourier series representation by finding the fourier series coefficients. First, write down the value of fundamental frequency Ω_0.