

Quiz 4

1. Solve

$$\begin{aligned}y'' + 4y &= \sin t - u_2(t) \sin(t - 2\pi) \\y(0) &= y'(0) = 0\end{aligned}$$

2. Solve

$$\begin{aligned}y'' + 4y &= \delta(t - \pi) - \delta(t - 2\pi) \\y(0) &= y'(0) = 0\end{aligned}$$