ENG 122 Fall 2016 Homework #06

DUE: Monday, November 07, 2016 before class in Box A in the MAE department if a paper assignment and if digital turn it in via Canvas.

Problems

Problem 3.26 As stated in the book.

Problem 3.32 Determine the Fourier series as the problem states. Then discuss the effects of using fewer or more terms in the infinite series. Finally, plot the response of a linear system described by $m = 100$ kg, $\zeta = 0.1$, and $k = 1000$ N/m to the square wave. Include the transient and steady state response when $x_0 = 0.1$m and $v_0 = 0$m/s.