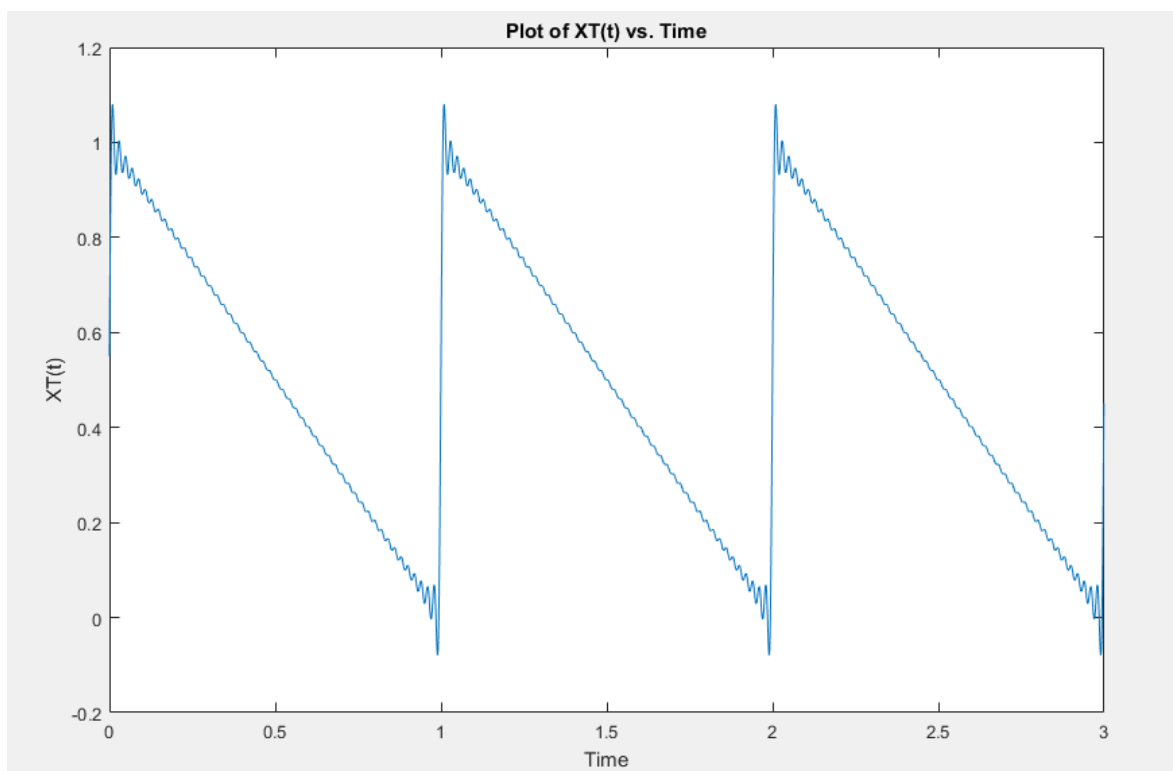Plot of XT_r over interval of 3 seconds. (dt = 0.001, N = 500)

Plot of XT_r over interval of 3 seconds. (dt = 0.001, N = 50)