

EM 633
H.W. # 10

1. Consider a three-story shear building shown below (same as Problem 2 in H.W. #9). The building is subjected to a harmonic loading applied at the top floor: $p_1(t) = 5 \sin \bar{\omega} t$, where $\bar{\omega} = 1.1 \omega_1$. No forces are acting on the other two floors. Evaluate the steady state undamped amplitude of the motion at the three floor levels.

