

## Quiz/Assignment

How Torsional forces effect the building? Describe the center of the mass and center of rigidity.

Describe four serious configurations conditions that have the potential to seriously impact seismic performance.

Develop the equation of motion of the frame shown in figure 4 under the action of a lateral dynamic force  $p(t)$ . Consider a uniformly Distributed gravity load of (registration number) lb/ft acting on the beam. Neglect damping effect.

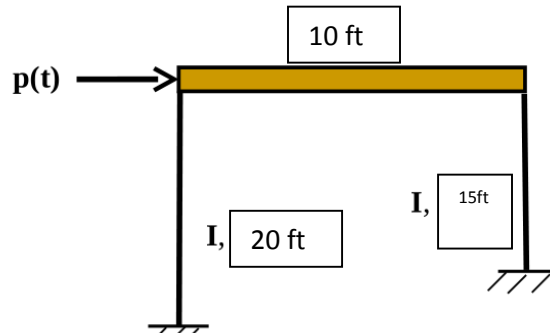


Figure 4