

Response Modification Technologies

Technologies which modifies the seismic response of structures for aiming to enhance seismic performance of the structures during an earthquake

- Smart materials and smart (auto adaptable) structures
- Damper technologies
- Sensor & actuator systems
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Effect of enhancing energy dissipation by viscous dampers?

The seismic response of a structure can be computed for any system subjected to arbitrary ground motion by varying damping ratio based on computer analysis
As damping ratio increases, response acceleration, velocity and displacement generally decrease
Thus, installation of viscous dampers is beneficial for reducing the seismic response of a structure







































