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(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards dynamic analysis of earthquake resistant structures with liquid dampers in the form of a liquid filled upto a predetermined percentage in a hollow structure housed on top of a civil structure and the hollow structure filled with liquid develops a sloshy effect and vibrations when the civil structure comes under the influence of a calamity mounting to shaking of it and the sloshy effect of the filled liquid brings the civil structure to rest.

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