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### Efficacy of liquid dampers for dynamic attenuation purposes (Article)

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#### Abstract

The paper focuses on the possibility of coupling Gloshing Water Dampers with rigid blocks moving on a foundation base subject to a horizontal ground motion. One considers pure rocking of blocks, moving according to a dynamic excitation inferred by means of a shaking table facility, experimental data are derived in order to compare the dynamic response of the blocks equipped or not with the devices for various liquid levels of the tanks.

#### Author keywords

Control devices; Dynamics; Experimental tests; Rigid blocks; Shaking table; Tuned liquid dampers

#### Indexed keywords

**Engineering controlled terms:** Attenuation; Dynamic response; Water tanks  
**Engineering uncontrolled terms:** Control devices; Experimental tests; Rigid blocks; Shaking table; Tuned liquid dampers  
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