

Abstract Submitted
for the SES12 Meeting of
The American Physical Society

Tuned Dynamic Damping of Structural Resonance JOHN YUKICH, SAM MIGIRDITCH, KYUNG TAEK LIM, Davidson College — We have constructed and tested a tuned mass damper in an HO 1:87-scale structure to demonstrate dynamic damping of a building undergoing oscillations caused by simulated earthquake tremors. The apparatus is simple and inexpensive. The experiment, suitable for an undergraduate laboratory, demonstrates principles of physics as well as structural engineering.

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Date submitted: 18 Sep 2012

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