

Title: Non-energy storage shaking device

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The essence of vibration suppression is to reduce or transfer unwanted vibration energy of the system. To achieve this goal, it is necessary to consider how to allocate ...

Through a suite of full-scale shaking table tests on two typical NPIBs, the efficiency and reliability of the HIS are verified, in comparison to the structure with conventional rubber ...

The proposed device is a wristband that, instead of classic spring-damper pairs, incorporates a shape memory alloy spring that acts as a nonlinear energy sink due to its ...

In this study, an enhanced bandwidth nonlinear energy harvester using magnetic spring and magnetic liquid is proposed to harvest energy from the vibration environment for ...

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