

Title: Micro Vibration Grid

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This paper presents the design of a micro-vibration hybrid isolation system for space-borne payloads using an electromagnetic damper, piezoelectric actuator, and strain sensor.

Through the multifactorial interactions, we study the friction reduction law of the microvibration-assisted method on the guidewire and the optimal drag reduction parameter ...

In view of the high-sensitivity vibration effect of precision instrument laboratory buildings under the influence of surrounding traffic loads, field micro-vibration tests under various working ...

This experimental platform system can accurately simulate the specified micro-vibration frequency domain response curve corresponding to a measured micro-vibration environment.

The proposed model convincingly demonstrates its effectiveness and superiority by conducting a comprehensive comparison of diverse natural frequencies, loss factors, and vibration ...

A self-powered vibration frequency monitoring method is proposed based on frequency-sensing triboelectric nanogenerator (F-TENG) and micro thermoelectric generators (MTEG). Models ...

This paper focuses on the micro-vibration modes spatial distribution and target micro-vibration characteristics recognition, thus it is assumed that the target translation is 0, then $v(t) = 0$.

In micro-vibration, the suspension is "soft" because only isolators are loaded In high loads, the suspension is "hard" because elastic stoppers are loaded as well

Microvibration is a severe issue that is present in many components on spacecraft, such as cryocoolers, thrusters, solar arrays, and momentum/reaction wheel assemblies (M/RWAs), which ...

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