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Active vibration control is defined as a technique in which the vibration of a structure is reduced or controlled by applying counter force to the structure that is appropriately out of phase but equal in amplitude to the original vibration. As a result two opposite force cancel each other and structure stops vibrating.

Active Vibration Control of Plate Structure – IJERT

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The main field of application for active control of vibrations is narrowband or harmonic disturbance forces exciting the host structure. To compensate those, a reference signal with the same frequency is generated and filtered in order to match the phase angle and amplitude for an optimal suppression of the disturbance. 2.4.

Passive, Adaptive, Active Vibration Control, and ...

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