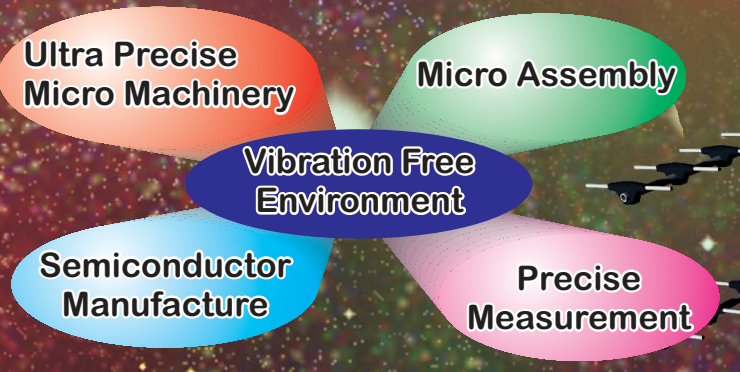




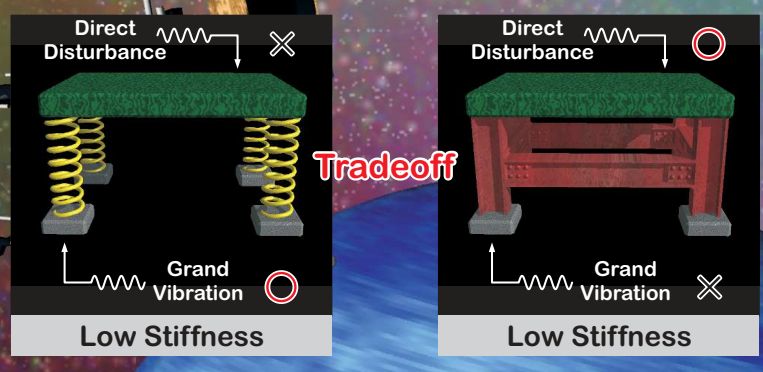
Vibration Isolation System using Zero power Magnetic Suspension System

Necessity of Vibration Insolation Systems

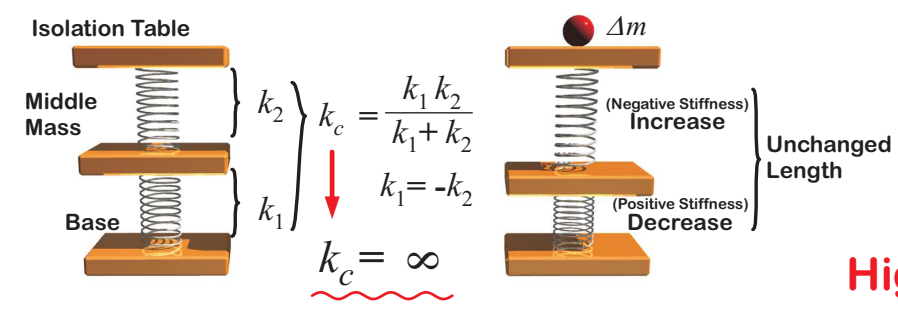


Background

Conventional Passive-type vibration isolation system



Approach

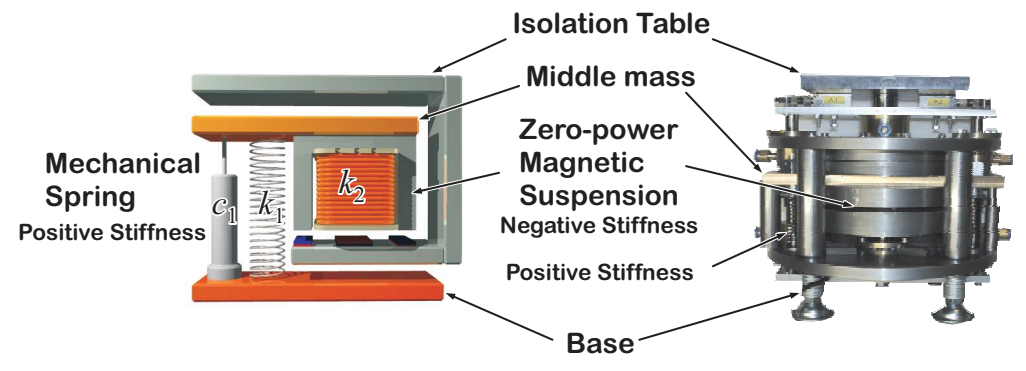


Serial connection of positive stiffness and negative stiffness.

Infinite stiffness to direct disturbance with soft springs.

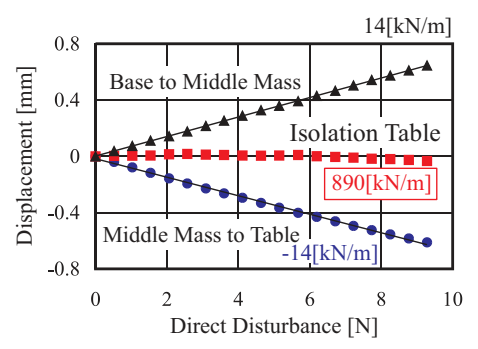
High performance and low cost

Vibration Isolation System Using Zero-power Magnetic Suspension



Basic Concept

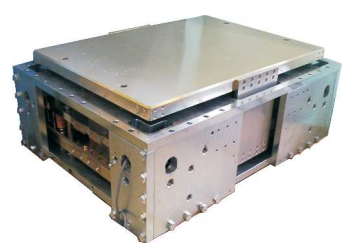
1DOF Apparatus



Static Response of Direct Disturbance



3DOF



6DOF



6DOF with Parallel mechanism