

Parametric resonance in dynamical systems

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20418425&lokasi=lokal>

Abstrak

Parametric resonance in dynamical systems discusses the phenomenon of parametric resonance and its occurrence in mechanical systems, vehicles, motorcycles, aircraft and marine craft, along micro-electro-mechanical systems. The contributors provides an introduction to the root causes of this phenomenon and its mathematical equivalent, the Mathieu-Hill equation. Also included is a discussion of how parametric resonance occurs on ships and offshore systems, and its frequency in mechanical and electrical systems.