



Active Vibration Control Of Plate Structure Using Electromagnetic Transducer Based On H₈ Optimized Positive Position Feedback

By Zhonghui Wu

GRIN Publishing Aug 2016, 2016. Taschenbuch. Condition: Neu. Neuware - Research Paper (postgraduate) from the year 2015 in the subject Engineering - Computer Engineering, Flinders University (School of Computer Science, Engineering and Mathematics, Faculty of Science and Engineering), course: Master of engineering by research, language: English, abstract: In this paper active vibration control (AVC) methodology is presented by the author using self-sensing magnetic transducers for a flexible plate structure. H_∞ Optimized positive position feedback (HOPPF) controller is tested and verified for multi-modes multi-input-multi-output (MIMO) vibration suppression through simulation and experiment implement. Genetic algorithm (GA) searching is applied to obtain the optimal parameters of the controllers according to the minimization criterion solution to the H_∞ norm of the whole closed-loop system. 24 pp. Englisch.



[READ ONLINE](#)
[8.04 MB]

Reviews

Complete guide! Its this kind of very good read through. I really could comprehend almost everything out of this written e publication. Your lifestyle span is going to be transform the instant you complete looking over this book.

-- **Reilly Keebler IV**

It is an awesome pdf i have possibly go through. It really is filled with wisdom and knowledge You will not really feel monotony at whenever you want of your time (that's what catalogues are for relating to in the event you ask me).

-- **Horace Schroeder**