ELSEVIER

Volume 329, Issue 8, 12 April 2010

JOURNAL OF SOUND AND VIBRATION

www.elsevier.com/locate/jsvi

CONTENTS

Abstracted/Indexed in: *Acoustics Abstracts; Bioengineering Abstracts; Biological Abstracts; Current Contents/Engineering, Technology, and Applied Sciences; Excerpta Medica; FLUIDEX; International Aerospace Abstracts; Mathematical Reviews, Research Alert; Shock & Vibration Digest; and the Science Citation Index (Acoustics and Mechanics). Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®*

Regular Articles

Active and Adaptive Control of Sound and Vibration [A]

RESTA, F., RIPAMONTI, F., CAZZULANI, G. and FERRARI, M., Independent modal control for nonlinear flexible structures: An experimental test rig 961

LEI, Y., YUNG, K.-L. and XU, Y., Chaos synchronization and parameter estimation of single-degree-of-freedom oscillators via adaptive control 973

Passive Control of Sound and Vibration [B]

MERZ, S., KESSISSOGLOU, N., KINNS, R. and MARBURG, S., Minimisation of the sound power radiated by a submarine through optimisation of its resonance changer 980

ABRAMIAN, A.K., Wave propagation in a two-dimensional plane straight duct with panels embedded in its sidewalls 994

Engineering Sources of Noise and Vibration [E]

TONON, D., LANDRY, B.J.T., BELFROID, S.P.C., WILLEMS, J.F.H., HOFMANS, G.C.J. and HIRSCHBERG, A., Whistling of a pipe system with multiple side branches: Comparison with corrugated pipes 1007

SIMS, N.D., MANSON, G. and MANN, B., Fuzzy stability analysis of regenerative chatter in milling 1025

Structural Vibration/Elastic Wave Propagation [F]

LEE, W.M. and CHEN, J.T., Scattering of flexural wave in a thin plate with multiple circular inclusions by using the null-field integral equation approach 1042

DONDERS, S., PLUYMERS, B., RAGNARSSON, P., HADJIT, R. and DESMET, W., The wave-based substructuring approach for the efficient description of interface dynamics in substructuring 1062

RINALDI, S., PRABHAKAR, S., VENGALLATORE, S. and PAÏDOUSSIS, M.P., Dynamics of microscale pipes containing internal fluid flow: Damping, frequency shift, and stability 1081

TANG, L.G. and XU, X.M., Transient torsional vibration responses of finite, semi-infinite and infinite hollow cylinders 1089

GUPTA, S. and DEGRANDE, G., Modelling of continuous and discontinuous floating slab tracks in a tunnel using a periodic approach 1101

WU, N., WANG, Q. and QUEK, S.T., Free vibration analysis of piezoelectric coupled circular plate with open circuit 1126

Nonlinear Aspects of Sound and Vibration [I]

ALEXANDER, N.A., Estimating the nonlinear resonant frequency of a single pile in nonlinear soil 1137

WITKOV, C. and LIEBOVITCH, L.S., Predicting optimal drive sweep rates for autoresonance in Duffing-type oscillators: A beat method using Teager–Kaiser instantaneous frequency 1154

NICHOLS, J.M. and OLSON, C.C., Optimal bispectral detection of weak, quadratic nonlinearities in structural systems 1165

(Contents continued inside

0022-460X(20100412)329:8;1-R

continued from outside back cover)

Analytical Methods and Modelling for Linear Vibration and Acoustics [J]

CHEN, H.-P., Mode shape expansion using perturbed force approach 1177

YANG, B., Exact transient vibration of stepped bars, shafts and strings carrying lumped masses 1191

Corrigendum

WANG, L. and ZHAO, Y., Corrigendum to "Large amplitude motion mechanism and non-planar vibration character of stay cables subject to the support motions [J. Sound Vib. 327 (2009) 121–133]" 1208