

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]

- YAN, B., BRENNAN, M.J., ELLIOTT, S.J. and FERGUSON, N.S., Active vibration isolation of a system with a distributed parameter isolator using absolute velocity feedback control 1601
- BRUANT, I., GALLIMARD, L. and NIKOUKAR, S., Optimal piezoelectric actuator and sensor location for active vibration control, using genetic algorithm 1615
- CHANG, P.-H., KI HAN, D., SHIN, Y.-H. and KIM, K.-J., Effective suppression of pneumatic vibration isolators by using input-output linearization and time delay control 1636

Inverse Problems in Acoustics and Vibration [D]

- GIRAUDEAU, A., PIERRON, F. and GUO, B., An alternative to modal analysis for material stiffness and damping identification from vibrating plates 1653

Engineering Sources of Noise and Vibration [E]

- HONG, C. and SHIN, K.-K., Modeling of wall pressure fluctuations for finite element structural analysis 1673
- SORGE, F. and CAMMALLERI, M., Control of hysteretic instability in rotating machinery by elastic suspension systems subject to dry and viscous friction 1686

Structural Vibration/Elastic Wave Propagation [F]

- TREYSSÈDE, F. and LAGUERRE, L., Investigation of elastic modes propagating in multi-wire helical waveguides 1702
- LECOMTE, C., GRAHAM, W.R. and DALE, M., A shell model for tyre belt vibrations 1717
- YAU, J.D., Aerodynamic vibrations of a maglev vehicle running on flexible guideways under oncoming wind actions 1743
- RUCKA, M., Experimental and numerical study on damage detection in an L-joint using guided wave propagation 1760
- WANG, X. and XU, S., Free vibration analysis of beams and rectangular plates with free edges by the discrete singular convolution 1780

Acoustics/Vibroacoustics [G]

- KARLSSON, M. and ÅBOM, M., Aeroacoustics of T-junctions—An experimental investigation 1793
- LEE, C.-Y., LEAMY, M.J. and NADLER, J.H., Frequency band structure and absorption predictions for multi-periodic acoustic composites 1809

Nonlinear Aspects of Sound and Vibration [I]

- GATTI, G., KOVACIC, I. and BRENNAN, M.J., On the response of a harmonically excited two degree-of-freedom system consisting of a linear and a nonlinear quasi-zero stiffness oscillator 1823
- STAROSVETSKY, Y. and GENDELMAN, O.V., Interaction of nonlinear energy sink with a two degrees of freedom linear system: Internal resonance 1836

(Contents continued inside)



continued from outside back cover)

SAPOUNTZAKIS, E.J. and TSIPIRAS, V.J., Nonlinear nonuniform torsional vibrations of bars by the boundary element method	1853
Analytical Methods and Modelling for Linear Vibration and Acoustics [J]	
FORMICA, G., LACARBONARA, W. and ALESSI, R., Vibrations of carbon nanotube-reinforced composites	1875
MOCHIDA, Y. and ILANKO, S., Transient vibration analysis of a completely free plate using modes obtained by Gorman's superposition method	1890
LEUNG, A.Y.T. and FAN, J., Natural vibration of pre-twisted shear deformable beam systems subject to multiple kinds of initial stresses	1901
BOUAANANI, N. and MIQUEL, B., A new formulation and error analysis for vibrating dam-reservoir systems with upstream transmitting boundary conditions	1924
Signal Processing for Sound and Vibration Applications [K]	
LUK, B.L., LIU, K.P., TONG, F. and MAN, K.F., Impact-acoustics inspection of tile-wall bonding integrity via wavelet transform and hidden Markov models	1954
Human Responses to Sound and Vibration [M]	
MARCOTTE, P., BOUTIN, J. and JASINSKI, J., Development of a hand-arm mechanical analogue for evaluating chipping hammer vibration emission values	1968
Book Reviews	
SPELSBERG-KORSPETER, G., Nonlinear Vibrations and Stability of Shells and Plates	1981
FORNI, M., Environmental Noise Barriers. A Guide to their Acoustic and Visual Design	1982