

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]

- CHATTERJEE, S. and MANDAL, A.K., On the efficacy of an inertial active device with internal time-delayed feedback for controlling self-excited oscillations 2435
- POTTER, J.N., NEILD, S.A. and WAGG, D.J., Generalisation and optimisation of semi-active, on-off switching controllers for single degree-of-freedom systems 2450
- D'SOUZA, K. and EPUREANU, B.I., Detection of global and local parameter variations using nonlinear feedback auxiliary signals and system augmentation 2463
- HUANG, X., ZHANG, X. and LI, Y., Broadband flow-induced sound control using plasma actuators 2477
- SANGPET, T. and KUNTANAPREEDA, S., Adaptive synchronization of hyperchaotic systems via passivity feedback control with time-varying gains 2490

Passive Control of Sound and Vibration [B]

- SEUACIUC-OSÓRIO, T. and DAQAQ, M.F., Energy harvesting under excitations of time-varying frequency 2497

Structural Vibration/Elastic Wave Propagation [F]

- BERGMAN, E.J., ALLEN, M.S., KAMMER, D.C. and MAYES, R.L., Probabilistic investigation of sensitivities of advanced test-analysis model correlation methods 2516

Acoustics/Vibroacoustics [G]

- RHAZI, D. and ATALLA, N., Transfer matrix modeling of the vibroacoustic response of multi-materials structures under mechanical excitation 2532

Nonlinear Aspects of Sound and Vibration [I]

- HASSANPOUR, P.A., ESMAILZADEH, E., CLEGHORN, W.L. and MILLS, J.K., Nonlinear vibration of micromachined asymmetric resonators 2547
- ÖZ, H. and RAMSEY, J.K., Time modes and nonlinear systems 2565
- BURAK ÖZHAN, B. and PAKDEMIRLI, M., A general solution procedure for the forced vibrations of a system with cubic nonlinearities: Three-to-one internal resonances with external excitation 2603

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

- GUNDUZ, A., INOUE, A. and SINGH, R., Estimation of interfacial forces in time domain for linear systems 2616
- DIMITROVOVA, Z., A general procedure for the dynamic analysis of finite and infinite beams on piece-wise homogeneous foundation under moving loads 2635

Signal Processing for Sound and Vibration Applications [K]

- YARDIBI, T., BAHR, C., ZAWODNY, N., LIU, F., CATTAFESTA III, L.N. and LI, J., Uncertainty analysis of the standard delay-and-sum beamformer and array calibration 2654

(Contents continued inside)



Human Responses to Sound and Vibration [M]

- PEDERSEN, L. and FRIER, C., Sensitivity of footbridge vibrations to stochastic walking parameters 2683

Discussion

- SINHA, S.K., Discussion on "Lateral vibration of a composite stepped beam consisted of SMA helical spring based on equivalent Euler-Bernoulli beam theory" by C.-Y. Lee, H.-C. Zhuo and C.-W. Hsu, *Journal of Sound and Vibration*, Vol. 324 (2009) 179-193 2702
- LEE, C.Y., ZHUO, H.C. and HSU, C.W., Authors' response to discussion on "Lateral vibration of a composite stepped beam consisted of SMA helical spring based on equivalent Euler-Bernoulli beam theory" 2706