

(Contents continued from outside cover)

BOBROVNITSKII, YU.I., A new impedance-based approach to analysis and control of sound scattering	743
SOHEI, N., TSUYOSHI, N. and TAKASHI, Y., Acoustic analysis of elliptical muffler chamber having a perforated pipe	761
BELLIZZI, S. and SAMPAIO, R., POMs analysis of randomly vibrating systems obtained from Karhunen–Loève expansion	774
SHIN, C., CHUNG, J. and YOO, H.H., Dynamic responses of the in-plane and out-of-plane vibrations for an axially moving membrane	794
XIA, H., ZHANG, N. and GUO, W.W., Analysis of resonance mechanism and conditions of train–bridge system	810
HAUSE, T. and LIBRESCU, L., Flexural free vibration of sandwich flat panels with laminated anisotropic face sheets	823
GOWDA, B.H.L. and KUMAR, R.A., Flow-induced oscillations of a square cylinder due to interference effects	842
CHOI, S., PARK, S., PARK, N.-H. and STUBBS, N., Improved fault quantification for a plate structure	865
LIM, H.S. and YOO, H.H., Modal analysis of cantilever plates undergoing accelerated in-plane motion	880
CHIU, Y.H., CHENG, L. and HUANG, L., Drum-like silencers using magnetic forces in a pressurized cavity	895
GAO, F. and LU, Y., A Kalman-filter based time-domain analysis for structural damage diagnosis with noisy signals	916
GIRGIN, K., Free vibration analysis of non-cylindrical helices with, variable cross-section by using mixed FEM	931
LOMBAERT, G., DEGRANDE, G., VANHAUWERE, B., VANDEBORGH, B. and FRANÇOIS, S., The control of ground-borne vibrations from railway traffic by means of continuous floating slabs	946
YATAWARA, R.J., NEILSON, R.D. and BARR, A.D.S., Theory and experiment on establishing the stability boundaries of a one-degree-of-freedom system under two high-frequency parametric excitation inputs	962
WU, J.-J., Study on the inertia effect of helical spring of the absorber on suppressing the dynamic responses of a beam subjected to a moving load	981
GUPTA, S. and MANOHAR, C.S., Reliability analysis of randomly vibrating structures with parameter uncertainties	1000
PENG, S.Z. and PAN, J., Acoustical wave propagator technique for time-domain reflection and transmission of flexural wave packets in one-dimensional stepped beams	1025
SAKELLARIOU, J.S. and FASSOIS, S.D., Stochastic output error vibration-based damage detection and assessment in structures under earthquake excitation	1048
Short Communications	
LI, Y.Y. and CHENG, L., Active noise control of a mechanically linked double panel system coupled with an acoustic enclosure	1068
KIM, C.-W. and BENNIGHOF, J.K., Fast frequency response analysis of partially damped structures with non-proportional viscous damping	1075
STEPHEN, N.G. and PUCHEGGER, S., On the valid frequency range of Timoshenko beam theory	1082
TAMESUE, T., YAMAGUCHI, S. and SAEKI, T., Study on achieving speech privacy using masking noise	1088
KIM, C.-W., A preconditioned iterative method for modal frequency-response analysis of structures with non-proportional damping	1097
Discussions	
AMABILI, M., Comments on “determination of the lower natural frequencies of circular plates with mixed boundary conditions”	1104
BAUER, H.F. and EIDEL, W., Authors’ reply	1106
METRIKINE, A.V., BATTJES, J.A. and KUIPER, G.L., On the energy transfer at boundaries of translating continua	1107
LEE, S.-Y. and MOTE JR, C.D., Author’s Reply (Response to “On the energy transfer at boundaries of translating continua”)	1114
INDEX TO VOLUME	1115