INDEX TO VOLUME 226

Abdel Wahab, M. M. and De Roeck, G., Damage detection in bridges using modal curvatures: Application to a real damage scenario . . . (2)217
Adamo, L. See Carcaterra, A. . . . (2)253
Aglietti, G. S. See Bardell, N. S. . . . (2)345
Amabili, M. and Kwak, M. K., Vibration of circular plates on a free fluid surface: effect of surface waves . . . (3)407
Argento, A. See Kim, W. . . . (1)125
Asmussen, J. C., Brincker, R. and Ibrahim, S. R., Statistical theory of the Vector Random Decrement technique . . . (2)329
Awrejcewicz, J. and Krysko, V. A., 3-D Theory versus 2-D approximate theory of free orthotropic (Isotropic) plate and shell vibrations, Part 1: Derivation of governing equations . . . (5)807
Awrejcewicz, J. and Krysko, V. A., 3-D Theory versus 2-D approximate theory of the free orthotropic (Isotropic) plate and shell vibrations, Part 2: Numerical algorithms and analysis (5)831
Balaji Kumar, C. See Dube, G. P. . . . (4)739
Balaji Kumar, C. See Dumir, P. C. . . . (4)755
Bardell, N. S., Langley, R. S., Dunsdon, J. M. and Aglietti, G. S., An h–p finite element vibration analysis of open conical sandwich panels and conical sandwich frusta . . . (2)345
Baušys, R. and Wiberg, N.-E., Adaptive finite element strategy for acoustic problems . . . (5)905
Behdinan, K. See Chakraborty, P. . . . (1)169
Behera, A. K. See Nanda, B. K. . . . (4)607
Bellés, P. M. See Maurizi, M. J. (letter) . . . (5)1053
Bhutani, N. and Loewy, R. G., Combined finite element-transfer matrix method (letter) . . . (5)1048
Bobrovnitskii, Yu.-I. See Tomilina, T. M. . . . (2)285
Boileau, P.-É., See Wu, X. (letter) . . . (3)596
Boltežar, M., Jakšić, N., Simonovski, I. and Kuhelj, A., Dynamical behaviour of the planar non-linear mechanical system — Part II: Experiment . . . (5)941
Boltežar, M. See Jakšić, N. . . . (5)923
Brennan, M. J. See Kim, S. M. . . . (3)549
Brincker, R. See Asmussen, J. C. . . . (2)329
Buchanan, G. R. and Peddieson, J. Jr., Vibration of circular, annular membranes with variable density (letter) . . . (2)379
Carcaterra, A. and Adamo, L., Thermal analogy in wave energy transfer: theoretical and experimental analysis . . . (2)253
Chakraborty, P., Behdinan, K. and Tabarrok, B., A tip-tilt adaptive optics systems for amateur astronomers and optimum placement of actuators . . . (1)169
Chen, R.-H. See Mills, T. E. (letter) . . . (1)191
Chen, W.-Q., Effect of radial inhomogeneity on natural frequencies of an anisotropic hollow sphere (letter) . . . (4)787
Cheng, L. See Missaoui, J. . . . (1)101
Cheng, C.-C. and Chui, C.-M., Sound radiation from periodically spring-supported beams under the action of a convected uniform harmonic loading . . . (1)83
Cheung, Y. K. See Kwan, A. K. H. . . . (4)701
Chui, C.-M. See Cheng, C.-C. . . . (1)83
Cummings, A. and Kirby, R., Low frequency sound transmission in ducts with permeable walls (2)237
Dai, H. See Kwan, A. K. H. . . . (4)701
De Roeck, G. See Abdel Wahab, M. M. . . . (2)217
Defrance, J. See Jean, P. . . . (2)201
Denisov, K. P. and Khitrik, V. L. Comments on "sound propagation in an annular duct with mean potential swirling flow" (letter) . . . (1)189

0022-460X/99/401071 + 04 $30.00/0

Dr. Donald, L. K., Elastomer modelling for use in predicting helicopter lag damper behavior (letter) . . . (3)585
Dube, G. P. See Dumir, P. C. . . . (4)755
Dube, G. P., Dumir, P. C. and Balaji Kumar, C., Segmented sensors and actuators for thick plates and shells part I: Analysis using FSDT . . . (4)739
Dumir, P. C. See Dube, G. P. . . . (4)739
Dumir, P. C., Dube, G. P. and Balaji Kumar, C., Segmented sensors and actuators for thick plates and shells part II: Parametric study . . . (4)755
Dunsdon, J. M. See Bardell, N. S. . . . (2)345
Forys', A., Optimizatin of parametrically excited mechanical systems against loss of dynamic stability . . . (5)873
Fung, R.-F. and Tseng, C. R., Dynamic simulation of a bimodal ultrasonic motor by new hybrid laplace transform/finite element method . . . (4)625
Gabillet, Y. See Jean, P. . . . (2)201
Gutiérrez, R. H. See Laura, P. A. A. (letter) . . . (5)1043
Halliwell, N. A. See Miles, T. J. . . . (3)441
How, J. P. See Paré, T. E. . . . (1)25
Hsueh, W.-J., Free and forced vibrations of stepped rods and coupled systems . . . (5)891
Hu, H. Y. See Wang, Z. H. . . . (1)57
Huang, M. and Sakiyama, T., Free vibration analysis of rectangular plates with variously-shaped holes . . . (4)769
Ibrahim, S. R. See Asmussen, J. C. . . . (2)329
Jakšić, N., Boltežar, M., Simonovski, I. and Kuhelj, A., Dynamical behaviour of the planar non-linear mechanical system — Part I: Theoretical modelling . . . (5)923
Jakšić, N. See Boltežar, M. . . . (5)941
Janssens, M. H. A., Verheij, J. W. and Thompson, D. J., The use of an equivalent forces method for the experimental quantification of structural sound transmission in ships . . . (2)305
Jean, P., Defrance, J. and Gabillet, Y., The importance of source type on the assessment of noise barriers . . . (2)201
Karczub, D. G. and Norton, M. P., Correlations between dynamic stress and velocity in randomly excited beams . . . (4)645
Karczub, D. G. and Norton, M. P., Finite differencing methods for the measurement of dynamic bending strain . . . (4)675
Khitrik, V. L. See Denisov, K. P. (letter) . . . (1)189
Kim, S. M. and Brennan, M. J., A comparative study of feedforward control of harmonic and random sound transmission into an acoustic enclosure . . . (3)549
Kim, W., Argento, A. and Scott, R. A., Free vibration of a rotating tapered composite Timoshenko shaft . . . (1)125
Kim, H. D. and Setoguchi, T., Study of the discharge of weak shocks from an open end of a duct (5)1011
Kirby, R. See Cummings, A. . . . (2)237
Kochkin, A. A. See Tomilina, T. M. . . . (2)285
Krishnan, A. See Sivasubramonian, B. . . . (1)41
Krysko, V. A. See Awrejcewics, J. . . . (5)807
Krysko, V. A. See Awrejcewics, J. . . . (5)831
Kuhelj, A. See Boltežar, M. . . . (5)941
Kuhelj, A. See Jakšić, N. . . . (5)923
Kwak, M. K. See Amabili, M. . . . (3)407
Kwan, A. K. H., Dai, H. and Cheung, Y. K., Non-linear seismic response of reinforced concrete slit shear walls . . . (4)701
Lam, K. Y., See Loy, C. T. . . . (4)719
Langley, R. S. See Bardell, N. S. . . . (2)345
Langthjem, M. A. and Sugiyama, Y., Optimum shape design against flutter of a cantilevered column with an end-mass of finite size subjected to a non-conservative load . . . (1)1
Laura, P. A. A. and Gutiérrez, R. H. and Rossi, R. E., Transverse vibrations of a circular, annular plate with free edges and two, intermediate concentric circular supports (letter) . . . (5)1043
Liu, K., Extension of modal analysis to linear time-varying systems . . . (1)149

LOEWY, R. G. See BHUTANI, N. (letter) . . . (5)1048
LOY, C. T. and LAM, K. Y., Vibration of thick cylindrical shells on the basis of three-dimensional theory of elasticity . . . (4)719
LUCAS, M. See MILES, T. J. . . . (3)441
MAIA, N. M. M. See SAMPAIO, R. P. C. . . . (5)1029
MANSON, G. See WORDEN, K. (letter) . . . (2)397
MARTÍN, H. D. See MAURIZI, M. J. (letter) . . . (5)1053
MAURIZI, M. J. and BELLÉS, P. M. and MARTÍN, H. D., An additional contribution on the transverse vibration of a uniform circular thick beam with non-classical boundary conditions (letter) (5)1053
MILES, T. J., LUCAS, M., HALLIWELL, N. A. and ROTHBERG, S. J., Torsional and bending vibration measurement on rotors using laser technology . . . (3)441
MILLS, T. E. and CHEN, R.-H., Observations of an acoustic aerosol particle transducer (letter) . (1)191
MISSAOUI, J. and CHENG, L., Vibroacoustic analysis of a finite cylindrical shell with internal floor partition . . . (1)101
NANDA, B. K. and BEHERA, A. K., Study on damping in layered and jointed structures with uniform pressure distribution at the interfaces . . . (4)607
NARAYANAN, S. See RAGHOTHAMA, A. . . . (3)469
NARAYANAN, S. See RAGHOTHAMA, A. . . . (3)493
NORTON, M. P. See KARCZUB, D. G. . . . (4)645
NORTON, M. P. See KARCZUB, D. G. . . . (4)675
PAN, Y. S. See SZE, K. Y. . . . (3)519
PARÉ, T. E. and HOW, J. P., Hybrid $\mathscr{H}_2$ control design for vibration isolation . . . (1)25
PEDDIESON, J. Jr. See BUCHANAN, G. R. (letter) . . . (2)379
PETYT, M. See RIBEIRO, P. . . . (5)955
PETYT, M. See RIBEIRO, P. . . . (5)985
PILIPCHUK, V. N., An explicit form general solution for oscillators with anon-smooth restoring force, $\ddot{x} + sign(x) f(x) = 0$ (letter) . . . (4)795
RAGHOTHAMA, A. and NARAYANAN, S., Non-linear dynamics of a two-dimensional airfoil by incremental harmonic balance method . . . (3)493
RAGHOTHAMA, A. and NARAYANAN, S., Bifurcation and chaos in geared rotor bearing system by incremental harmonic balance method . . . (3)469
RAKHEJA, S. See WU, X. (letter) . . . (3)596
RAMESH, R. and VISHNUBHATLA, R. M. R., Estimation of material parameters of loosy 1–3 piezocomposite plates by non-linear regression analysis . . . (3)573
RAO, G. V. See SIVASUBRAMONIAN, B. . . . (1)41
RATHAKRISHNAN, E. See VERMA, S. B. (letter) . . . (2)383
RIBEIRO, P. and PETYT, M., Geometrical non-linear, steady state, forced, periodic vibration of plates, Part II: Stability study and analysis of multi-modal response . . . (5)985
RIBEIRO, P. and PETYT, M., Geometrical non-linear, steady state, forced, periodic vibration of plates, Part I: Model and convergence studies . . . (5)955
ROSSI, R. E. See LAURA, P. A. A. (letter) . . . (5)1043
ROTHBERG, S. J. See MILES, T. J. . . . (3)441
RUOTOLO, R. and SURACE, C., Using SVD to detect damage in structures with different operational conditions . . . (3)425
SAKIYAMA, T., See HUANG, M. . . . (4)769
SAMPAIO, R. P. C. and MAIA, N. M. M. and SILVA, J. M. M., Damage detection using the frequency-response-function curvature method . . . (5)1029
SCOTT, R. A. See KIM, W. . . . (1)125
SETOGUCHI, T. See KIM, H. D. . . . (5)1011
SILVA, J. M. M. See SAMPAIO, R. P. C. . . . (5)1029
SIMONOVSKI, I. See BOLTEŽAR, M. . . . (5)941
SIMONOVSKI, I. See JAKŠIĆ, N. . . . (5)923
SIVASUBRAMONIAN, B., RAO, G. V. and KRISHNAN, A., Free vibration of longitudinally stiffened curved panels with cutout . . . (1)41
SUGIYAMA, Y. See LANGTHJEM, M. A. . . . (1)1
SURACE, C. See RUOTOLO, R. . . . (3)425

SZE, K. Y. and PAN, Y. S., Hybrid finite element models for piezoelectric materials . . . . . (3)519
TABARROK, B. See CHAKRABORTY, P. . . . . (1)169
THOMPSON, D. J. See JANSSENS, M. H. A. . . . . (2)305
TOMILINA, T. M., BOBROVNITSKII, YU.-I., YASHKIN, V. B. and KOCHKIN, A. A., Power output of noise sources operating near elastic scatterers of finite dimensions . . . . . (2)285
TSENG, C. R. See FUNG, R.-F. . . . . (4)625
VAN DOOREN, R., Comments on "A frequency domain based numeric-analytical method for non-linear dynamical systems" (letter) . . . . . (4)799
VERHEIJ, J. W. See JANSSENS, M. H. A. . . . . (2)305
VERMA, S. B. and RATHAKRISHNAN, E., An experimental study on the noise characteristics of notched circular-slot jets (letter) . . . . . (2)383
VISHNUBHATLA, R. M. R. See RAMESH, R. . . . . (3)573
WANG, Z. H. and HU, H. Y., Delay-independent stability of retarded dynamic systems of multiple degrees of freedom . . . . . (1)57
WIBERG, N.-E. See BAUŠYS, R. . . . . (5)905
WORDEN, K. and MANSON, G., Random vibrations of a multi-degree-of-freedom non-linear system using the Volterra series (letter) . . . . . (2)397
WU, X., RAKHEJA, S. and BOILEAU, P.-É., Analysis of relationships between biodynamic response functions (letter) . . . . . (3)596
YASHKIN, V. B. See TOMILINA, T. M. . . . . (2)285