

Author Index Volume 20 (2013)

The issue number is given in front of the page numbers.

- Afshari, E., see Tabrizian, Z. (4) 633– 648
- Ahmadi, H., see Moosavian, A. (2) 263– 272
- Ahmadi, M., see Bahmyari, E. (2) 309– 326
- Ahmadian, M., see Shen, Y. (4) 649– 663
- Ahmadian, M.T., see Kargarnovin, M.H. (1) 79– 96
- Allen, C., see Jennings, A.L. (3) 503– 517
- Amabili, M., see Kazemirad, S. (3) 385– 399
- Amiri, G.G., see Tabrizian, Z. (4) 633– 648
- Amirian, B., R. Hosseini-Ara and H. Moosavi, Thermo-mechanical vibration of short carbon nanotubes embedded in pasternak foundation based on nonlocal elasticity theory (4) 821– 832
- Anderson, J., see Griffin, S. (5) 989–1000
- Arruda, J.R.F., see Silva, P.B. (3) 439– 458
- Bahmyari, E., M.M. Banatehrani, M. Ahmadi and M. Bahmyari, Vibration analysis of thin plates resting on Pasternak foundations by element free Galerkin method (2) 309– 326
- Bahmyari, M., see Bahmyari, E. (2) 309– 326
- Bai, G.-C., see Fei, C.-W. (2) 341– 349
- Balthazar, J.M., see de Paula, A.S. (6) 1093–1101
- Balthazar, J.M., see Tusset, A.M. (4) 749– 761
- Banatehrani, M.M., see Bahmyari, E. (2) 309– 326
- Bayat, M. and I. Pakar, On the approximate analytical solution to non-linear oscillation systems (1) 43– 52
- Behan, K., E. Guzas, J. Milburn and S. Moss, Finite element modeling of K-Monel bolts under static loading and dynamic shock loading (3) 575– 589
- Beigy, M.H.A., see Tabrizian, Z. (4) 633– 648
- Bellizzi, S. and R. Sampaio, Analysis of stationary random vibrating systems using smooth decomposition (3) 493– 502
- Bergman, L.A., see Lu, J. (5) 951– 961
- Bian, Y. and Z. Gao, Impact vibration attenuation for a flexible robotic manipulator through transfer and dissipation of energy (4) 665– 680
- Black, J., see Jennings, A.L. (3) 503– 517
- Bochenski, M., see Warminski, J. (6) 1033–1047
- Brownjohn, J.M.W., see Racic, V. (1) 53– 67
- Bueno, Á.M., see Tusset, A.M. (4) 749– 761
- Cai, G.-P., see Zhao, T. (2) 227– 246
- Cai, J.-H. and W.-W. Hu, Feature extraction of gear fault signal based on Sobel operator and WHT (3) 551– 559
- Cartmell, M.P., see Warminski, J. (6) 1033–1047
- Carvalho, E.C., P.B. Gonçalves, G. Rega and Z.J.G.N. Del Prado, Influence of axial loads on the nonplanar vibrations of cantilever beams (6) 1073–1092
- Chen, C., Y. Li and F.-G. Yuan, Development of time-reversal method for impact source identification on plate structures (3) 561– 573

- Chen, H., Y. Lu and L. Tu, Fault identification of gearbox degradation with optimized wavelet neural network (2) 247– 262
- Chen, L.-X., see Zhao, T. (2) 227– 246
- Chen, W., J. Wei, K. Xie, N. Deng and G. Hou, Wave based method for free vibration analysis of ring stiffened cylindrical shell with intermediate large frame ribs (3) 459– 479
- Cheng, X., see Zhang, Y. (5) 833– 846
- Cheng, Y., see Wang, E. (1) 69– 78
- Chomette, B., A. Fernandes and J.-J. Sinou, Cracks detection using active modal damping and piezoelectric components (4) 619– 631
- Chun, L., see Peng, H. (4) 601– 617
- Cordes, J.A., P. Vo, J.R. Lee, D.W. Geissler, J.D. Metz, D.C. Troast and A.L. Totten, Comparison of shock response spectrum for different gun tests (3) 481– 491
- Dai, H.-L. and H.-J. Jiang, Forced vibration analysis for a FGPM cylindrical shell (3) 531– 550
- de Paula, A.S., J.M. Balthazar and J.L.P. Felix, Some comments on the nonlinear dynamics of a portal frame under base excitation (6) 1093–1101
- Del Prado, Z.J.G.N., see Carvalho, E.C. (6) 1073–1092
- Deng, N., see Chen, W. (3) 459– 479
- Der Hagopian, J., see Morais, T.S. (1) 171– 179
- Didoszak, J.M., see Walters, A.P. (1) 189– 197
- Ding, Y., see Weng, F. (5) 963– 977
- Ding, Y.C., F.L. Weng and Z.A. Yu, Actuator saturation and control design for buildings structural systems with improved uncertainty description (2) 297– 308
- dos Santos Kaster, M., see Tusset, A.M. (4) 749– 761
- Du, W., A. Li, P. Ye and C. Liu, Fault diagnosis of plunger pump in truck crane based on relevance vector machine with particle swarm optimization algorithm (4) 781– 792
- Ecker, H., see Welte, J. (6) 1113–1124
- Elahinia, M., see Wang, S. (1) 1– 17
- El-Borgi, S., see El-Ouafi Bahlous, S. (1) 181– 188
- Elishakoff, I. and C. Soret, Remedy to overestimation of classical interval analysis: Analysis of beams with uncertain boundary conditions (1) 143– 156
- El-Ouafi Bahlous, S., M. Neifar, S. El-Borgi and H. Smaoui, Ambient vibration based damage diagnosis using statistical modal filtering and genetic algorithm: A bridge case study (1) 181– 188
- Ervin, E.K., see Xu, W. (5) 907– 919
- Fei, C.-W. and G.-C. Bai, Wavelet correlation feature scale entropy and fuzzy support vector machine approach for aeroengine whole-body vibration fault diagnosis (2) 341– 349
- Felix, J.L.P., see de Paula, A.S. (6) 1093–1101
- Feng, X., see Wang, G. (4) 591– 600
- Fenili, A., The rigid-flexible robotic manipulator: Nonlinear control and state estimation considering a different mathematical model for estimation (6) 1049–1063
- Fernandes, A., see Chomette, B. (4) 619– 631
- Fernandes, K.M., see Tenenbaum, R.A. (5) 863– 878
- Freundlich, J., Vibrations of a simply supported beam with a fractional viscoelastic material model – supports movement excitation (6) 1103–1112
- Fu, Y., see Mao, J. (5) 1001–1010
- Gao, Z., see Bian, Y. (4) 665– 680
- Geissler, D.W., see Cordes, J.A. (3) 481– 491
- Ghayesh, M.H., see Kazemirad, S. (3) 385– 399

- Goldstein, A.L., see Silva, P.B. (3) 439– 458
- Gonçalves, P.B., see Carvalho, E.C. (6) 1073–1092
- Göransson, P., see Lindberg, E. (1) 157– 170
- Graczykowski, C., see Sekuła, K. (1) 123– 141
- Griffin, S., A. Weston and J. Anderson, Adaptive noise cancellation system for low frequency transmission of sound in open fan aircraft (5) 989–1000
- Guo, X.H., see Li, J. (4) 793– 807
- Guthrie, M.A., An energy-based limit state function for estimation of structural reliability in shock environments (5) 933– 950
- Guzas, E., see Behan, K. (3) 575– 589
- Han, B., see Zhang, H. (5) 895– 905
- Han, J.G., see Liu, W.Y. (2) 213– 225
- Han, J.-H., see Woo, S.-H. (5) 847– 861
- Harimi, I. and A.R. Pishevar, Evaluating the capability of the flux-limiter schemes in capturing strong shocks and discontinuities (2) 287– 296
- Hazra, B., see Sadhu, A. (3) 423– 438
- He, R.B., S.J. Zheng and H.T. Wang, Independent modal variable structure fuzzy active vibration control of cylindrical thin shells laminated with photostrictive actuators (4) 693– 709
- He, Z., see Zhou, L. (5) 979– 988
- Holnicki-Szulc, J., see Sekuła, K. (1) 123– 141
- Hörlin, N.-E., see Lindberg, E. (1) 157– 170
- Hosseini-Ara, R., see Amirian, B. (4) 821– 832
- Hou, G., see Chen, W. (3) 459– 479
- Hu, C., see Lu, J. (5) 951– 961
- Hu, W., see Shao, R. (4) 763– 780
- Hu, W.-W., see Cai, J.-H. (3) 551– 559
- Hu, Y., see Wang, E. (1) 69– 78
- Huang, Q., see Zheng, W. (2) 199– 211
- Huang, S.-C., see Tsai, C.-Y. (1) 97– 108
- Jafari-Talookolaei, R.A., see Kargarnovin, M.H. (1) 79– 96
- Jankowski, R., see Migda, W. (4) 681– 692
- Jennings, A.L., J. Black and C. Allen, Empirically bounding of space booms with tape spring hinges (3) 503– 517
- Jia, L., see Zhang, Y. (5) 833– 846
- Jiang, H.-J., see Dai, H.-L. (3) 531– 550
- Ju, D.Y., see Zhang, H. (5) 895– 905
- Kargarnovin, M.H., M.T. Ahmadian and R.A. Jafari-Talookolaei, Forced vibration of delaminated Timoshenko beams under the action of moving oscillatory mass (1) 79– 96
- Kazemirad, S., M.H. Ghayesh and M. Amabili, Thermal effects on nonlinear vibrations of an axially moving beam with an intermediate spring-mass support (3) 385– 399
- Khazaei, M., see Moosavian, A. (2) 263– 272
- Kniffka, T.J., see Welte, J. (6) 1113–1124
- Kwon, Y.W., see Walters, A.P. (1) 189– 197
- Lai, X., see Xu, Y. (3) 411– 421
- Lal, R. and R. Saini, Buckling and vibration of non-homogeneous rectangular plates subjected to linearly varying in-plane force (5) 879– 894
- Lee, J.R., see Cordes, J.A. (3) 481– 491

- Lei, Y., see Zheng, W. (2) 199– 211
- Li, A., see Du, W. (4) 781– 792
- Li, D., see Zhou, W. (4) 737– 748
- Li, H., see Xu, L. (2) 273– 286
- Li, H.Y., see Li, J. (4) 793– 807
- Li, J., see Shao, R. (4) 763– 780
- Li, J., see Zhang, H. (4) 725– 735
- Li, J., X.H. Guo, J. Luo, H.Y. Li and Y.Q. Wang, Analytical study on inherent properties of a unidirectional vibrating steel strip partially immersed in fluid (4) 793– 807
- Li, P., see Mao, J. (5) 1001–1010
- Li, S., see Zheng, W. (2) 199– 211
- Li, Y., see Chen, C. (3) 561– 573
- Li, Y.M., see Liu, Y. (5) 1011–1030
- Li, Z., see Xu, Y. (3) 411– 421
- Liang, L., see Weng, F. (5) 963– 977
- Lindberg, E., N.-E. Hörlin and P. Göransson, Component mode synthesis using undeformed interface coupling modes to connect soft and stiff substructures (1) 157– 170
- Liu, C., see Du, W. (4) 781– 792
- Liu, C., see Wang, G. (4) 591– 600
- Liu, H., see Lu, C. (3) 519– 530
- Liu, W.Y. and J.G. Han, Rolling element bearing fault recognition approach based on fuzzy clustering bispectrum estimation (2) 213– 225
- Liu, Y. and Y.M. Li, Vibration and acoustic response of rectangular sandwich plate under thermal environment (5) 1011–1030
- Liu, Z., see Peng, H. (4) 601– 617
- Liu, Z., see Xiao, H. (3) 369– 383
- Lopez-Parra, M., see Urbiola-Soto, L. (1) 109– 121
- Lu, C., Q. Sun, L. Tao, H. Liu and C. Lu, Bearing health assessment based on chaotic characteristics (3) 519– 530
- Lu, C., see Lu, C. (3) 519– 530
- Lu, J., Y. Xu, C. Hu, A.F. Vakakis and L.A. Bergman, 5-DOF dynamic model of vehicle shimmy system with clearance at universal joint in steering handling mechanism (5) 951– 961
- Lu, L.-H., see Xu, Z.-D. (3) 401– 410
- Lu, Y., see Chen, H. (2) 247– 262
- Luo, J., see Li, J. (4) 793– 807
- Mahfoud, J., see Morais, T.S. (1) 171– 179
- Mao, J., Y. Fu and P. Li, Dynamics of periodic impulsive collision in escapement mechanism (5) 1001–1010
- Metz, J.D., see Cordes, J.A. (3) 481– 491
- Migda, W. and R. Jankowski, An approach for the response of buildings subjected to impact load after soft-story failure due to earthquake excitation (4) 681– 692
- Milburn, J., see Behan, K. (3) 575– 589
- Mitura, A., see Warminski, J. (6) 1033–1047
- Moosavi, H., see Amirian, B. (4) 821– 832
- Moosavian, A., H. Ahmadi, A. Tabatabaeefar and M. Khazaei, Comparison of two classifiers; K-nearest neighbor and artificial neural network, for fault diagnosis on a main engine journal-bearing (2) 263– 272
- Morais, T.S., J. Der Hagopian, V. Steffen, Jr. and J. Mahfoud, Modeling and identification of electromagnetic actuator for the control of rotating machinery (1) 171– 179
- Moss, S., see Behan, K. (3) 575– 589
- Nascimento, C.B., see Tusset, A.M. (4) 749– 761

- Neifar, M., see El-Ouafi Bahlous, S. (1) 181– 188
- Nejad, S.M.P., see Tabrizian, Z. (4) 633– 648
- Nguyen, T., see Wang, S. (1) 1– 17
- Ouakad, H.M., An electrostatically actuated MEMS arch band-pass filter (4) 809– 819
- Ozgan, K., Dynamic analysis of thick plates including deep beams on elastic foundations using modified Vlasov model (1) 29– 41
- Pakar, I., see Bayat, M. (1) 43– 52
- Pavic, A., see Racic, V. (1) 53– 67
- Peng, H., Z. Liu and L. Chun, An improved beam element for beams with variable axial parameters (4) 601– 617
- Peng, T., see Zhang, H. (4) 725– 735
- Pishevar, A.R., see Harimi, I. (2) 287– 296
- Qin, Y., see Zhang, Y. (5) 833– 846
- Racic, V., A. Pavic and J.M.W. Brownjohn, Modern facilities for experimental measurement of dynamic loads induced by humans: A literature review (1) 53– 67
- Raftari, B., He's variational iteration method for nonlinear jerk equations: Simple but effective (2) 351– 356
- Rega, G., see Carvalho, E.C. (6) 1073–1092
- Sadhu, A. and B. Hazra, A novel damage detection algorithm using time-series analysis-based blind source separation (3) 423– 438
- Sado, D., Nonlinear dynamics of a non-ideal autoparametric system with MR damper (6) 1065–1072
- Saini, R., see Lal, R. (5) 879– 894
- Şakar, G., The effect of axial force on the free vibration of an Euler-Bernoulli beam carrying a number of various concentrated elements (3) 357– 367
- Sampaio, R., see Bellizzi, S. (3) 493– 502
- Sekula, K., C. Graczykowski and J. Holnicki-Szulc, On-line impact load identification (1) 123– 141
- Shao, R., W. Hu and J. Li, Multi-fault feature extraction and diagnosis of gear transmission system using time-frequency analysis and wavelet threshold de-noising based on EMD (4) 763– 780
- Shen, Y. and M. Ahmadian, Nonlinear dynamical analysis on four semi-active dynamic vibration absorbers with time delay (4) 649– 663
- Sheng, M., see Xiao, H. (3) 369– 383
- Shi, B.-Q., see Xu, Z.-D. (3) 401– 410
- Shirazi, K.H., see Zargartalebi, A. (4) 711– 723
- Silva, P.B., A.L. Goldstein and J.R.F. Arruda, Building spectral element dynamic matrices using finite element models of waveguide slices and elastodynamic equations (3) 439– 458
- Sinou, J.-J., see Chomette, B. (4) 619– 631
- Smaoui, H., see El-Ouafi Bahlous, S. (1) 181– 188
- Soret, C., see Elishakoff, I. (1) 143– 156
- Steffen, Jr., V., see Morais, T.S. (1) 171– 179
- Stutz, L.T., see Tenenbaum, R.A. (5) 863– 878
- Sun, H., see Zhou, L. (5) 979– 988
- Sun, Q., see Lu, C. (3) 519– 530
- Sun, X. and J. Zhang, Displacement transmissibility characteristics of harmonically base excited damper isolators with mixed viscous damping (5) 921– 931
- Tabatabaeefar, A., see Moosavian, A. (2) 263– 272
- Tabrizian, Z., E. Afshari, G.G. Amiri, M.H.A. Beigy and S.M.P. Nejad, A new damage detection method: Big Bang-Big Crunch (BB-BC) algorithm (4) 633– 648

- Tao, L., see Lu, C. (3) 519– 530
- Tenenbaum, R.A., L.T. Stutz and K.M. Fernandes, Damage identification in bars with a wave propagation approach: Performance comparison of five hybrid optimization methods (5) 863– 878
- Totten, A.L., see Cordes, J.A. (3) 481– 491
- Troast, D.C., see Cordes, J.A. (3) 481– 491
- Tsai, C.-Y. and S.-C. Huang, Transfer matrix method to vibration analysis of rotors with coupler offsets (1) 97– 108
- Tu, L., see Chen, H. (2) 247– 262
- Tusset, A.M., Á.M. Bueno, C.B. Nascimento, M. dos Santos Kaster and J.M. Balthazar, Nonlinear state estimation and control for chaos suppression in MEMS Resonator (4) 749– 761
- Urbiola-Soto, L. and M. Lopez-Parra, Liquid self-balancing device effects on flexible rotor stability (1) 109– 121
- Vakakis, A.F., see Lu, J. (5) 951– 961
- Vo, P., see Cordes, J.A. (3) 481– 491
- Walters, A.P., J.M. Didoszak and Y.W. Kwon, Explicit modeling of solid ocean floor in shallow underwater explosions (1) 189– 197
- Wang, E., B. Wu, Y. Hu, S. Yang and Y. Cheng, Dynamic parameter identification of tool-spindle interface based on RCSA and particle swarm optimization (1) 69– 78
- Wang, G., X. Feng and C. Liu, Bearing fault classification based on conditional random field (4) 591– 600
- Wang, H.T., see He, R.B. (4) 693– 709
- Wang, S., M. Elahinia and T. Nguyen, Displacement and force control of a quarter car using a mixed mode MR mount (1) 1– 17
- Wang, Y., see Zhai, X. (1) 19– 28
- Wang, Y.Q., see Li, J. (4) 793– 807
- Warminski, J., M.P. Cartmell, A. Mitura and M. Bochenski, Active vibration control of a nonlinear beam with self- and external excitations (6) 1033–1047
- Wei, J., see Chen, W. (3) 459– 479
- Wei, Z., see Xiao, H. (3) 369– 383
- Welte, J., T.J. Kniffka and H. Ecker, Parametric excitation in a two degree of freedom MEMS system (6) 1113–1124
- Wen, B.-C., see Zhang, X.-L. (2) 327– 340
- Weng, F., Y. Ding, L. Liang and G. Yang, Fault tolerant vibration-attenuation controller design for uncertain linear structural systems with input time-delay and saturation (5) 963– 977
- Weng, F.L., see Ding, Y.C. (2) 297– 308
- Weston, A., see Griffin, S. (5) 989–1000
- Woo, S.-H. and J.-H. Han, Mid frequency shock response determination by using energy flow method and time domain correction (5) 847– 861
- Wu, B., see Wang, E. (1) 69– 78
- Xiao, H., M. Sheng, Z. Liu and Z. Wei, The study on free vibration of elastically restrained beams carrying various types of attachments with arbitrary spatial distributions (3) 369– 383
- Xie, K., see Chen, W. (3) 459– 479
- Xing, Z., see Zhang, Y. (5) 833– 846
- Xu, L. and H. Li, Effects of eccentricity on the dynamic behavior for electromechanical integrated toroidal drive (2) 273– 286
- Xu, W. and E.K. Ervin, Parameters affecting the transient response of an impacting beam (5) 907– 919
- Xu, Y., see Lu, J. (5) 951– 961
- Xu, Y., Z. Li and X. Lai, Dynamic model for hydro-turbine generator units based on a database method for guide bearings (3) 411– 421

- Xu, Z.-D., L.-H. Lu, B.-Q. Shi and F.-G. Yuan, Experimental and numerical studies on vertical properties of a new multi-dimensional earthquake isolation and mitigation device (3) 401–410
- Yang, G., see Weng, F. (5) 963–977
- Yang, S., see Wang, E. (1) 69– 78
- Ye, P., see Du, W. (4) 781–792
- Yu, X.G., see Zhang, H. (5) 895–905
- Yu, Z.A., see Ding, Y.C. (2) 297–308
- Yuan, F.-G., see Chen, C. (3) 561–573
- Yuan, F.-G., see Xu, Z.-D. (3) 401–410
- Zargartalebi, A. and K.H. Shirazi, Dynamic modelling of axle tramp in a sport type car (4) 711–723
- Zhai, X. and Y. Wang, Modelling and dynamic response of steel reticulated shell under blast loading (1) 19– 28
- Zhang, H., B. Han, X.G. Yu and D.Y. Ju, Numerical and experimental studies of cavitation behavior in water-jet cavitation peening processing (5) 895–905
- Zhang, H., J. Li and T. Peng, Development and mechanical performance of a new kind of bridge seismic isolator for low seismic regions (4) 725–735
- Zhang, J., see Sun, X. (5) 921–931
- Zhang, X.-L., C.-Y. Zhao and B.-C. Wen, Theoretical and experimental study on synchronization of the two homodromy exciters in a non-resonant vibrating system (2) 327–340
- Zhang, Y., Y. Qin, Z. Xing, L. Jia and X. Cheng, Safety region estimation and state identification of rolling bearing based on statistical feature extraction (5) 833–846
- Zhao, C.-Y., see Zhang, X.-L. (2) 327–340
- Zhao, T., L.-X. Chen and G.-P. Cai, Experimental study of H_{∞} control of flexible plate with time delay (2) 227–246
- Zheng, S.J., see He, R.B. (4) 693–709
- Zheng, W., Y. Lei, S. Li and Q. Huang, Topology optimization of passive constrained layer damping with partial coverage on plate (2) 199–211
- Zhou, L., H. Sun and Z. He, Fractal dimension-based damage imaging for composites (5) 979–988
- Zhou, W. and D. Li, Improving performance of cantilevered momentum wheel assemblies by soft suspension support (4) 737–748