

# Author Index Volume 18 (2011)

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

- Akers, S.A., see Ehrgott, Jr., J.Q. (6) 857–874
- Altekin, M., Free in-plane vibration of super-elliptical plates (3) 471–484
- Ashcroft, I.A., V.V. Silberschmidt, B. Echard and J.P.C. Rodriguez, Crack propagation in a toughened epoxy adhesive under repeated impacts (1,2) 157–170
- Attarnejad, R., see Shahba, A. (5) 683–696
- Aydin, L., see Yardimoglu, B. (4) 555–562
- Azoulay, M., A. Veprik, V. Babitsky and N. Halliwell, Distributed absorber for noise and vibration control (1,2) 181–219
- Babitsky, V., see Azoulay, M. (1,2) 181–219
- Babitsky, V.I., see Hiwarkar, V.R. (1,2) 147–156
- Babitsky, V.I., see Volkov, G.A. (1,2) 333–341
- Bashmal, S., R. Bhat and S. Rakheja, In-plane free vibration analysis of an annular disk with point elastic support (4) 627–640
- Belouettar, S., see Giunta, G. (4) 537–554
- Bhat, R., see Bashmal, S. (4) 627–640
- Bhat, R.B., see Saeedi, K. (5) 697–707
- Boone, N., see O'Daniel, J. (3) 425–436
- Bouvet, C., see Shahdin, A. (6) 789–805
- Bratov, V.A., see Volkov, G.A. (1,2) 333–341
- Cao, D., X. Gong, D. Wei, S. Chu and L. Wang, Nonlinear vibration characteristics of a flexible blade with friction damping due to tip-rub (1,2) 105–114
- Carrera, E., M. Petrolo and P. Nali, Unified formulation applied to free vibrations finite element analysis of beams with arbitrary section (3) 485–502
- Carrera, E., see Giunta, G. (4) 537–554
- Chen, A., see Jiang, L. (1,2) 127–137
- Chen, L.-Q., see Ding, H. (1,2) 281–287
- Chen, M., see Song, H. (1,2) 171–180
- Chen, X., see Xiang, J. (3) 447–458
- Chen, Y., see Zhang, Z. (1,2) 343–354
- Chen, Z., see Ying, J. (1,2) 45–52
- Chu, F., see Lu, W. (1,2) 115–126
- Chu, F., see Si, X. (1,2) 317–331
- Chu, F., see Zhang, N. (1,2) 139–146
- Chu, F.L., see Peng, Z.K. (1,2) 299–316
- Chu, F.L., see Peng, Z.K. (1,2) 91–103
- Crowther, A.R., see Zhang, Z. (1,2) 397–406

- Chu, S., see Cao, D. (1,2) 105–114
- Coşkun, İ., H. Engin and A. Özmutlu, Dynamic stress and displacement in an elastic half-space with a cylindrical cavity (6) 827–838
- Dalli, U. and Ş. Yüksel, Identification of flap motion parameters for vibration reduction in helicopter rotors with multiple active trailing edge flaps (5) 727–745
- Danielson, K., see O'Daniel, J. (3) 425–436
- Danielson, K.T., see Ehrgott, Jr., J.Q. (6) 857–874
- Ding, H. and L.-Q. Chen, Nonlinear models for transverse forced vibration of axially moving viscoelastic beams (1,2) 281–287
- Du, M.L., see Wang, Z.H. (1,2) 257–268
- Dwivedy, S.K. and M. Srinivas, Dynamic instability of MRE embedded soft cored sandwich beam with non-conductive skins (6) 759–788
- Echard, B., see Ashcroft, I.A. (1,2) 157–170
- Ehrgott, Jr., J.Q., S.A. Akers, J.E. Windham, D.D. Rickman and K.T. Danielson, The influence of soil parameters on the impulse and airblast overpressure loading above surface-laid and shallow-buried explosives (6) 857–874
- El-Saeidy, F.M.A., Time-varying total stiffness matrix of a rigid machine spindle-angular contact ball bearings assembly: Theory and analytical/experimental verifications (5) 641–670
- Engin, H., see Coşkun, İ. (6) 827–838
- Fu, L., see Song, H. (1,2) 171–180
- Fu, Y., see Guo, Y. (4) 525–535
- Ghasemlooia, A. and S.E.Z. Khadem, Gear tooth failure detection by the resonance demodulation technique and the instantaneous power spectrum method – A comparative study (3) 503–523
- Giunta, G., E. Carrera and S. Belouettar, Free vibration analysis of composite plates via refined theories accounting for uncertainties (4) 537–554
- Gong, X., see Cao, D. (1,2) 105–114
- Gong, Z., see Zhao, C. (1,2) 73– 90
- Gourinat, Y., see Shahdin, A. (6) 789–805
- Gruzdkov, A.A., see Volkov, G.A. (1,2) 333–341
- Guo, Y., W. Xu, Y. Fu and H. Wang, Dynamic shock cushioning characteristics and vibration transmissibility of X-PLY corrugated paperboard (3) 525–535
- Hagopian, J.D., see Mahfoud, J. (4) 613–625
- Hajilar, S., see Shahba, A. (5) 683–696
- Halliwell, N., see Azoulay, M. (1,2) 181–219
- Han, Q., see Yu, T. (1,2) 29– 44
- Han, Q., X. Zhao, X. Li and B. Wen, Bifurcations of a controlled two-bar linkage motion with considering viscous frictions (1,2) 365–375
- Han, Q.-K., see Jiang, J. (1,2) 3– 12
- Hegemier, G.A., see Rodriguez-Nikl, T. (4) 579–592
- Hiraki, K., see Inoue, M. (1,2) 245–256
- Hiwarkar, V.R., V.I. Babitsky and V.V. Silberschmidt, Vibro-impact response of a cracked bar (1,2) 147–156
- Hua, H., see Zhang, Z. (1,2) 343–354
- Huang, J., see Lee, J.J. (3) 459–470
- Inoue, M., I. Yokomichi and K. Hiraki, Particle damping with granular materials for multi degree of freedom system (1,2) 245–256

- Jiang, J., Q.-K. Han, C.-F. Li, H.-L. Yao and S.-Y. Liu, Nonlinear dynamics of a vibratory cone crusher with hysteretic force and clearances (1,2) 3– 12
- Jiang, L., Y. Liufu and X. Li and A. Chen, Degradation assessment and fault diagnosis for roller bearing based on AR model and fuzzy cluster analysis (1,2) 127–137
- Jiang, Z., see Xiang, J. (3) 447–458
- Jiao, Y., see Ying, J. (1,2) 45– 52
- Kargarnovin, M.H., see Mamandi, A. (6) 875–891
- Khadem, S.E.Z., see Ghasemloonia, A. (3) 503–523
- Kropáč, O. and P. Múčka, Shapes of obstacles in the longitudinal road profile (5) 671–682
- Ladkany, S.G., see Sueki, S. (6) 807–826
- Lang, Z.Q, see Peng, Z.K. (1,2) 91–103
- Lee, J.J., M.J. Smith, J. Huang and G.T. Paulgaard, Deformation and rupture of thin steel plates due to cumulative loading from underwater shock and bubble collapse (3) 459–470
- Li, C.-F., see Jiang, J. (1,2) 3– 12
- Li, H., see Zhang, Z. (1,2) 343–354
- Li, H.-G., see You, J. (1,2) 269–280
- Li, X., H. Zhang and L. Zhang, Response of the Duffing-van der Pol oscillator under position feedback control with two time delays (1,2) 377–386
- Li, X., see Han, Q. (1,2) 365–375
- Li, X., see Jiang, L. (1,2) 127–137
- Li, X., Y. Shen and S. Wang, Dynamic modeling and analysis of the large-scale rotary machine with multi-supporting (1,2) 53– 62
- Ling, Z., X. Ronglu and W. Yi, Topology optimization of constrained layer damping on plates using Method of Moving Asymptote (MMA) approach (1,2) 221–244
- Liu, H., see Luo, Z. (1,2) 355–364
- Liu, S.-Y., see Jiang, J. (1,2) 3– 12
- Liu, Y., see Zhang, N. (1,2) 139–146
- Liufu, Y., see Jiang, L. (1,2) 127–137
- Lu, L.-X., see Wang, J. (3) 437–445
- Lu, W. and F. Chu, Shaft crack identification based on vibration and AE signals (1,2) 115–126
- Lu, W., see Si, X. (1,2) 317–331
- Luo, Z., S. Yang, Y. Sun and H. Liu, Optimized control for dynamical performance of the polishing robot in unstructured environment (1,2) 355–364
- Ma, D., see Yang, Y. (1,2) 289–298
- Ma, H., X. Zhao, Y. Teng and B. Wen, Analysis of dynamic characteristics for a rotor system with pedestal looseness (1,2) 13– 27
- Mahfoud, J., Y. Skladanek and J.D. Hagopian, Active control and energy cost assessment of a rotating machine (4) 613–625
- Mamandi, A. and M.H. Kargarnovin, Nonlinear dynamic analysis of an inclined Timoshenko beam subjected to a moving mass/force with beam's weight included (6) 875–891
- Meng, G., see Peng, Z.K. (1,2) 299–316
- Meng, G., see Peng, Z.K. (1,2) 91–103
- Meng, G., see You, J. (1,2) 269–280
- Mezeix, L., see Shahdin, A. (6) 789–805
- Morlier, J., see Shahdin, A. (6) 789–805
- Múčka, P., see Kropáč, O. (5) 671–682
- Nali, P., see Carrera, E. (3) 485–502

- O'Daniel, J., K. Danielson and N. Boone, Modeling fragment simulating projectile penetration into steel plates using finite elements and meshfree particles (3) 425–436
- O'Toole, B.J. see Sueki, S. (6) 807–826
- Özmutlu, A., see Coşkun, İ. (6) 827–838
- Paez, T.L., see Palmer, J.A. (5) 747–758
- Palmer, J.A. and T.L. Paez, Dynamic response of an optomechanical system to a stationary random excitation in the time domain (5) 747–758
- Paulgaard, G.T., see Lee, J.J. (3) 459–470
- Pavić, A., see Živanović, S. (4) 563–577
- Peng, Z.K., G. Meng and F.L. Chu, Improved wavelet reassigned scalograms and application for modal parameter estimation (1,2) 299–316
- Peng, Z.K., Z.Q Lang, G. Meng and F.L. Chu, The effects of crack on the transmission matrix of rotor systems (1,2) 91–103
- Pennacchi, P. and A. Vania, Analysis of the instability phenomena caused by steam in high-pressure turbines (4) 593–612
- Petrolo, M., see Carrera, E. (3) 485–502
- Petrov, Yu.V., see Volkov, G.A. (1,2) 333–341
- Rakheja, S., see Bashmal, S. (4) 627–640
- Ren, Z., Q. Zhao, C. Zhao and B. Wen, Synchronization of two asymmetric exciters in a vibrating system (1,2) 63– 72
- Rickman, D.D., see Ehrgott, Jr., J.Q. (6) 857–874
- Rodriguez, J.P.C., see Ashcroft, I.A. (1,2) 157–170
- Rodriguez-Nikl, T., G.A. Hegemier and F. Seible, Blast simulator testing of structures: Methodology and validation (4) 579–592
- Ronglu, X., see Ling, Z. (1,2) 221–224
- Saeedi, K. and R.B. Bhat, Clustered natural frequencies in multi-span beams with constrained characteristic functions (5) 697–707
- Seible, F., see Rodriguez-Nikl, T. (4) 579–592
- Shahba, A., R. Attarnejad and S. Hajilar, Free vibration and stability of axially functionally graded tapered Euler-Bernoulli beams (5) 683–696
- Shahdin, A., J. Morlier, L. Mezeix, C. Bouvet and Y. Gourinat, Evaluation of the impact resistance of various composite sandwich beams by vibration tests (6) 789–805
- Shen, Y., see Li, X. (1,2) 53– 62
- Si, X., W. Lu and F. Chu, Lateral vibration of hydroelectric generating set with different supporting condition of thrust pad (1,2) 317–331
- Silberschmidt, V.V., see Ashcroft, I.A. (1,2) 157–170
- Silberschmidt, V.V., see Hiwarkar, V.R. (1,2) 147–156
- Silberschmidt, V.V., see Volkov, G.A. (1,2) 333–341
- Singh, R., see Zhang, Z. (1,2) 397–406
- Skladanek, Y., see Mahfoud, J. (4) 613–625
- Smith, M.J., see Lee, J.J. (3) 459–470
- Song, H., P. Wang, L. Fu, M. Chen, Z. Wang and H. Sun, Straightening regulation optimization on the residual stress induced by the compound roll straightening in the heavy rail (1,2) 171–180
- Srinivas, M., see Dwivedy, S.K. (6) 759–788
- Sueki, S., S.G. Ladkany and B.J. O'Toole, Experimental and computational study of acceleration response in layered cylindrical structure considering impedance mismatch effect (6) 807–826
- Sun, H., see Song, H. (1,2) 171–180
- Sun, Y., see Luo, Z. (1,2) 355–364

- Teng, Y., see Ma, H. (1,2) 13– 27
- Vania, A., see Pennacchi, P. (4) 593–612
- Veprik, A., see Azoulay, M. (1,2) 181–219
- Volkov, G.A., V.A. Bratov, A.A. Gruzdkov, V.I. Babitsky, Yu.V. Petrov and V.V. Silberschmidt, Energy-based analysis of ultrasonically assisted turning (1,2) 333–341
- Wang, F.S., Z.F. Yue and W.Z. Yan, Factors study influencing on numerical simulation of aircraft windshield against bird strike (3) 407–424
- Wang, G. and N. Wereley, Analysis of fly fishing rod casting dynamics (6) 839–855
- Wang, H., see Guo, Y. (4) 525–535
- Wang, J., Z.-W. Wang, L.-X. Lu, Y. Zhu and Y.-G. Wang, Three-dimensional shock spectrum of critical component for nonlinear packaging system (3) 437–445
- Wang, L., see Cao, D. (1,2) 105–114
- Wang, P., see Song, H. (1,2) 171–180
- Wang, S., see Li, X. (1,2) 53– 62
- Wang, Y.-G., see Wang, J. (3) 437–445
- Wang, Z., see Song, H. (1,2) 171–180
- Wang, Z.H. and M.L. Du, Asymptotical behavior of the solution of a SDOF linear fractionally damped vibration system (1,2) 257–268
- Wang, Z.-W., see Wang, J. (3) 437–445
- Wei, D., see Cao, D. (1,2) 105–114
- Wen, B., see Han, Q. (1,2) 365–375
- Wen, B., see Ma, H. (1,2) 13– 27
- Wen, B., see Ren, Z. (1,2) 63– 72
- Wen, B., see Zhao, C. (1,2) 73– 90
- Wereley, N., see Wang, G. (6) 839–855
- Windham, J.E., see Ehrhart, Jr., J.Q. (6) 857–874
- Xiang, J., Z. Jiang and X. Chen, A class of wavelet-based Rayleigh-Euler beam element for analyzing rotating shafts (3) 447–458
- Xu, W., see Guo, Y. (4) 525–535
- Xu, X. see Yang, Y. (1,2) 289–298
- Yan, W.Z., see Wang, F.S. (3) 407–424
- Yang, S., see Luo, Z. (1,2) 355–364
- Yang, Y., G. Zhao, D. Ma and X. Xu, Mode calculation and testing of a car body in white (1,2) 289–298
- Yao, H.-L., see Jiang, J. (1,2) 3– 12
- Yardimoglu, B. and L. Aydin, Exact longitudinal vibration characteristics of rods with variable cross-sections (4) 555–562
- Yesilce, Y., Free vibrations of a Reddy-Bickford multi-span beam carrying multiple spring-mass systems (5) 709–726
- Yi, W., see Ling, Z. (1,2) 221–224
- Ying, J., Y. Jiao and Z. Chen, Nonlinear dynamics analysis of tilting pad journal bearing-rotor system (1,2) 45– 52
- Yokomichi, I., see Inoue, M. (1,2) 245–256
- You, J., H.-G. Li and G. Meng, Validity investigation of random energy flow analysis for beam structures (1,2) 269–280
- Yu, T. and Q. Han, Time frequency features of rotor systems with slowly varying mass (1,2) 29– 44
- Yue, Z.F., see Wang, F.S. (3) 407–424
- Yüksel, S., see Dalli, U. (5) 727–745

- Zhang, H., see Li, X. (1,2) 377–386  
Zhang, L., see Li, X. (1,2) 377–386  
Zhang, N., Y. Liu and F. Chu, Dynamic characteristics of flow induced vibration in a rotor-seal system (1,2) 139–146  
Zhang, Y., Stochastic responses of multi-degree-of-freedom uncertain hysteretic systems (1,2) 387–396  
Zhang, Z., R. Singh and A.R. Crowther, Limitations of smoothening functions for automotive vibro-impact problems (1,2) 397–406  
Zhang, Z., Y. Chen, H. Li and H. Hua, Simulation and experimental study on vibration and sound radiation control with piezoelectric actuators (1,2) 343–354  
Zhao, C., Q. Zhao, Z. Gong and B. Wen, Synchronization of two self-synchronous vibrating machines on an isolation frame (1,2) 73– 90  
Zhao, C., see Ren, Z. (1,2) 63– 72  
Zhao, G., see Yang, Y. (1,2) 289–298  
Zhao, Q., see Ren, Z. (1,2) 63– 72  
Zhao, Q., see Zhao, C. (1,2) 73– 90  
Zhao, X., see Han, Q. (1,2) 365–375  
Zhao, X., see Ma, H. (1,2) 13– 27  
Zhu, Y., see Wang, J. (3) 437–445  
Živanović, S. and A. Pavić, Quantification of dynamic excitation potential of pedestrian population crossing footbridges (4) 563–577