

Index to Volume 293

Adhikari, S., Damping modelling using generalized proportional damping	(1–2)	156
Alfano, M. and Pagnotta, L., Determining the elastic constants of isotropic materials by modal vibration testing of rectangular thin plates	(1–2)	426
Allen, P. see Sheng, X.	(3–5)	819
Amabili, M. see Pellicano, F.	(1–2)	227
Andersen, L. and Jones, C.J.C., Coupled boundary and finite element analysis of vibration from railway tunnels—a comparison of two- and three-dimensional models	(3–5)	611
Arnst, M. see Degrande, G.	(3–5)	645
Asmussen, B., Onnich, H., Strube, R., Greven, L.M., Schröder, S., Jäger, K. and Degen, K.G., Status and perspectives of the “Specially Monitored Track”	(3–5)	1070
Auersch, L., Ground vibration due to railway traffic—The calculation of the effects of moving static loads and their experimental verification	(3–5)	599
Augusztinovicz, F., Márki, F., Gulyás, K., Nagy, A.B., Fiala, P. and Gajdáty, P., Derivation of train track isolation requirement for a steel road bridge based on vibro-acoustic analyses	(3–5)	953
Augusztinovicz, F. see Nagy, A.B.	(3–5)	680
Ayasse, J.-B. see Chiello, O.	(3–5)	710
Baeza, L., Roda, A. and Nielsen, J.C.O., Railway vehicle/track interaction analysis using a modal substructuring approach	(1–2)	112
Behr, W. see Degen, K.G.	(3–5)	865
Beier, M. see Schulte-Werning, B.	(3–5)	1058
Benaroya, H. see Gadagi, M.M.	(1–2)	38
Bergendorff, M. see de Vos, P.H.	(3–5)	1051
Bertolini, A. see Fidecaro, F.	(3–5)	856
Bewes, O.G., Thompson, D.J., Jones, C.J.C. and Wang, A., Calculation of noise from railway bridges and viaducts: Experimental validation of a rapid calculation model	(3–5)	933
Bewes, O.G. see Cox, S.J.	(3–5)	901
Brassenx, D. see Nagy, A.B.	(3–5)	680
Brennan, M. see de Vos, P.H.	(3–5)	1051
Brunel, J.F., Dufrénoy, P., Naït, M., Muñoz, J.L. and Demilly, F., Transient models for curve squeal noise.	(3–5)	758
Bühler, S., Methods and results of field testing of a retrofitted freight train with composite brake blocks.	(3–5)	1041
Canchi, S.V. and Parker, R.G., Parametric instability of a circular ring subjected to moving springs	(1–2)	360
Carels, P. see Cox, S.J.	(3–5)	901
Caubergh, B. see Verboven, P.	(1–2)	299
Chai, W.K., Han, Y., Higuchi, K. and Tzou, H.S., Micro-actuation characteristics of rocket conical shell sections	(1–2)	286
Chapman, C.J., H.J. Pain, The Physics of Vibrations and Waves	(1–2)	469
Chatterjee, P. see Degrande, G.	(3–5)	626
Chatterjee, P. see Degrande, G.	(3–5)	645
Chebli, H. see Degrande, G.	(3–5)	645
Chen, I.L. see Chen, J.T.	(1–2)	380
Chen, J.T., Lin, S.Y., Lee, Y.T. and Chen, I.L., Analytical and numerical studies of free vibrations of plate by imaginary-part BEM formulations	(1–2)	380
Chiello, O., Ayasse, J.-B., Vincent, N. and Koch, J.-R., Curve squeal of urban rolling stock—Part 3: Theoretical model	(3–5)	710
Chiello, O. see Koch, J.R.	(3–5)	701

- Chollet, H. see Koch, J.R. (3–5) 701
 Chollet, H. see Vincent, N. (3–5) 691
 Clouteau, D. see Degrande, G. (3–5) 645
 Cox, S.J., Wang, A., Morison, C., Carels, P., Kelly, R. and Bewes, O.G., A test rig to investigate slab track structures for controlling ground vibration (3–5) 901
- Dadkahl, N. see Degrande, G. (3–5) 626
 de Beer, F.G. see Janssens, M.H.A. (3–5) 1007
 de Beer, F.G. see Monk-Steel, A.D. (3–5) 766
 de Vos, P.H., Bergendorff, M., Brennan, M. and van der Zijpp, F., Implementing the retrofitting plan for the European rail freight fleet (3–5) 1051
 Degen, K.G., Behr, W. and Grütz, H.-P., Investigations and results concerning railway-induced ground-borne vibrations in Germany (3–5) 865
 Degen, K.G. see Asmussen, B. (3–5) 1070
 Degen, K.G. see Schulte-Werning, B. (3–5) 1058
 Degrande, G., Clouteau, D., Othman, R., Arnst, M., Chebli, H., Klein, R., Chatterjee, P. and Janssens, B., A numerical model for ground-borne vibrations from underground railway traffic based on a periodic finite element–boundary element formulation. (3–5) 645
 Degrande, G., Schevenels, M., Chatterjee, P., Van de Velde, W., Hölscher, P., Hopman, V., Wang, A. and Dadkahl, N., Vibrations due to a test train at variable speeds in a deep bored tunnel embedded in London clay (3–5) 626
 Degrande, G. see Nagy, A.B. (3–5) 680
 Demilly, F. see Brunel, J.F. (3–5) 758
 Diehl, R.J. and Holm, P., Roughness measurements—Have the necessities changed? (3–5) 777
 Diehl, R.J. see Jones, C.J.C. (3–5) 485
 Diken, H., Dynamic behavior of a coupled elastic shaft–elastic beam system (1–2) 1
 Dittrich, M. see Talotte, C. (3–5) 975
 Dittrich, M.G. and Zhang, X., The Harmonoise/IMAGINE model for traction noise of powered railway vehicles (3–5) 986
 Dittrich, M.G. see Janssens, M.H.A. (3–5) 1007
 Dittrich, M.G. see Janssens, M.H.A. (3–5) 1029
 Dufrénoy, P. see Brunel, J.F. (3–5) 758
- Eadie, D.T. and Santoro, M., Top-of-rail friction control for curve noise mitigation and corrugation rate reduction. (3–5) 747
 El-Raheb, M., Transient waves in a compliant cylindrical cavity enclosing comminuted material. (1–2) 320
- Färm, J. see Frid, A. (3–5) 910
 Fiala, P. see Augusztinovicz, F. (3–5) 953
 Fiala, P. see Nagy, A.B. (3–5) 680
 Fidecaro, F., Licitra, G., Bertolini, A., Maccioni, E. and Paviotti, M., Interferometric rail roughness measurement at train operational speed (3–5) 856
 Fodiman, P. and Staiger, M., Improvement of the noise Technical Specifications for Interoperability: The input of the NOEMIE project (3–5) 475
 Ford, R.A.J. and Thompson, D.J., Simplified contact filters in wheel/rail noise prediction (3–5) 807
 Fox, C.H.J. see Wong, S.J. (1–2) 266
 Foy-Margiocchi, F. see Lorang, X. (3–5) 735
 Fredö, C.R. see Nielsen, J.C.O. (3–5) 510
 Frid, A., Leth, S., Högström, C. and Färm, J., Noise control design of railway vehicles—Impact of new legislation (3–5) 910
- Gadagi, M.M. and Benaroya, H., Dynamic response of an axially loaded tendon of a tension leg platform (1–2) 38
 Gajdáty, P. see Augusztinovicz, F. (3–5) 953
 Gautier, P.E. see Lorang, X. (3–5) 735
 Gómez, J., Vadillo, E.G. and Santamaría, J., A comprehensive track model for the improvement of corrugation models (3–5) 522
 González, A. see Li, Y. (1–2) 125
 Greven, L.M. see Asmussen, B. (3–5) 1070
 Griffin, M.J. see Subashi, G.H.M.J. (1–2) 78

- Grütz, H.-P. see Degen, K.G. (3–5) 865
- Guerder, J.Y. see Vincent, N. (3–5) 691
- Guigou-Carter, C., Villot, M., Guillerme, B. and Petit, C., Analytical and experimental study of sleeper SAT S 312 in slab track Sateba system (3–5) 878
- Guillaume, P. see Maes, J. (3–5) 557
- Guillaume, P. see Verboven, P. (1–2) 299
- Guillerme, B. see Guigou-Carter, C. (3–5) 878
- Gulyás, K. see Augusztinovicz, F. (3–5) 953
- Han, Y. see Chai, W.K. (1–2) 286
- Hanson, C.E. and Singleton Jr., H.L., Performance of ballast mats on passenger railroads: Measurement vs. projections (3–5) 873
- Hardy, A.E.J. and Jones, R.R.K., Warning horns—Audibility versus environmental impact (3–5) 1091
- Hardy, A.E.J., Jones, R.R.K. and Turner, S., The influence of real-world rail head roughness on railway noise prediction (3–5) 965
- Higuchi, K. see Chai, W.K. (1–2) 286
- Høgsberg, J.R. and Krenk, S., Linear control strategies for damping of flexible structures (1–2) 59
- Högström, C. see Frid, A. (3–5) 910
- Holm, P. see Diehl, R.J. (3–5) 777
- Hölscher, P. see Degrande, G. (3–5) 626
- Hopman, V. see Degrande, G. (3–5) 626
- Hsu, S.S. see Sheng, X. (3–5) 819
- Hu, H., Solution of a quadratic nonlinear oscillator by the method of harmonic balance (Short Communications). (1–2) 462
- Hunt, H.E.M. see Hussein, M.F.M. (3–5) 667
- Hussein, M.F.M. and Hunt, H.E.M., A power flow method for evaluating vibration from underground railways (3–5) 667
- Iwnicki, S.D. see Sheng, X. (3–5) 819
- Jacobs, S. see Nagy, A.B. (3–5) 680
- Jäger, K. see Asmussen, B. (3–5) 1070
- Jansen, H.W. see Janssens, M.H.A. (3–5) 1029
- Janssens, B. see Degrande, G. (3–5) 645
- Janssens, M.H.A., Dittrich, M.G., de Beer, F.G. and Jones, C.J.C., Railway noise measurement method for pass-by noise, total effective roughness, transfer functions and track spatial decay (3–5) 1007
- Janssens, M.H.A., Jansen, H.W. and Dittrich, M.G., Evaluation of the interim measurement protocol for railway noise source description. (3–5) 1029
- Janssens, M.H.A. see Monk-Steel, A.D. (3–5) 766
- Jin, X.S., Wen, Z.F., Wang, K.Y., Zhou, Z.R., Liu, Q.Y. and Li, C.H., Three-dimensional train-track model for study of rail corrugation (3–5) 830
- Johansson, A., Out-of-round railway wheels—assessment of wheel tread irregularities in train traffic (3–5) 795
- Jonasson, H.G. see Zhang, X. (3–5) 995
- Jones, C.J.C., Thompson, D.J. and Diehl, R.J., The use of decay rates to analyse the performance of railway track in rolling noise generation. (3–5) 485
- Jones, C.J.C. see Andersen, L. (3–5) 611
- Jones, C.J.C. see Bewes, O.G. (3–5) 933
- Jones, C.J.C. see Janssens, M.H.A. (3–5) 1007
- Jones, C.J.C. see Sheng, X. (3–5) 575
- Jones, C.J.C. see Sheng, X. (3–5) 819
- Jones, C.J.C. see Xie, G. (3–5) 921
- Jones, R.R.K. see Hardy, A.E.J. (3–5) 1091
- Jones, R.R.K. see Hardy, A.E.J. (3–5) 965
- Karlström, A., An analytical model for ground vibrations from accelerating trains (3–5) 587
- Kelly, R. see Cox, S.J. (3–5) 901
- Kikuchi, N. see Yilmaz, C. (1–2) 171
- Kitagawa, T. and Thompson, D.J., Comparison of wheel/rail noise radiation on Japanese railways using the TWINS model and microphone array measurements (3–5) 496
- Klein, R. see Degrande, G. (3–5) 645

- Koch, J.R., Vincent, N., Chollet, H. and Chiello, O., Curve squeal of urban rolling stock—Part 2:
 Parametric study on a 1/4 scale test rig (3–5) 701
- Koch, J.-R. see Chiello, O. (3–5) 710
- Koch, J.R. see Vincent, N. (3–5) 691
- Krenk, S. see Høgsberg, J.R. (1–2) 59
- Lardiès, J. see Ta, M.-N. (1–2) 16
- Lee, W.K. see Yeo, M.H. (1–2) 138
- Lee, Y.T. see Chen, J.T. (1–2) 380
- Leth, S. see Frid, A. (3–5) 910
- Létourneaux, F. see Mellet, C. (3–5) 535
- Li, C.H. see Jin, X.S. (3–5) 830
- Li, Y., O'Brien, E. and González, A., The development of a dynamic amplification estimator for bridges
 with good road profiles (1–2) 125
- Licitra, G. see Fidecaro, F. (3–5) 856
- Lin, S.Y. see Chen, J.T. (1–2) 380
- Liu, Q.Y. see Jin, X.S. (3–5) 830
- Lorang, X., Foy-Margiocchi, F., Nguyen, Q.S. and Gautier, P.E., TGV disc brake squeal (3–5) 735
- Maccioni, E. see Fidecaro, F. (3–5) 856
- Maes, J., Sol, H. and Guillaume, P., Measurements of the dynamic railpad properties (3–5) 557
- Manson, G. see Pierce, S.G. (1–2) 96
- Margiocchi, F. see Poisson, F. (3–5) 944
- Márki, F. see Augusztinovicz, F. (3–5) 953
- Márki, F. see Nagy, A.B. (3–5) 680
- Matsumoto, Y. see Subashi, G.H.M.J. (1–2) 78
- McWilliam, S. see Wong, S.J. (1–2) 266
- Mellet, C., Létourneaux, F., Poisson, F. and Talotte, C., High speed train noise emission: Latest
 investigation of the aerodynamic/rolling noise contribution (3–5) 535
- Monk-Steel, A.D., Thompson, D.J., de Beer, F.G. and Janssens, M.H.A., An investigation into the
 influence of longitudinal creepage on railway squeal noise due to lateral creepage (3–5) 766
- Morison, C. see Cox, S.J. (3–5) 901
- Müller, B. and Oertli, J., Combating Curve Squeal: Monitoring existing applications (3–5) 728
- Muñoz, J.L. see Brunel, J.F. (3–5) 758
- Nagakura, K., Localization of aerodynamic noise sources of Shinkansen trains (3–5) 547
- Nagy, A.B., Fiala, P., Márki, F., Augusztinovicz, F., Degrande, G., Jacobs, S. and Brassens, D.,
 Prediction of interior noise in buildings generated by underground rail traffic (3–5) 680
- Nagy, A.B. see Augusztinovicz, F. (3–5) 953
- Naït, M. see Brunel, J.F. (3–5) 758
- Nguyen, Q.S. see Lorang, X. (3–5) 735
- Nielsen, J.C.O. and Fredö, C.R., Multi-disciplinary optimization of railway wheels (3–5) 510
- Nielsen, J.C.O. see Baeza, L. (1–2) 112
- O'Brien, E. see Li, Y. (1–2) 125
- Oertli, J., Developing noise control strategies for entire railway networks (3–5) 1086
- Oertli, J. see Müller, B. (3–5) 728
- Onnich, H. see Asmussen, B. (3–5) 1070
- Othman, R. see Degrande, G. (3–5) 645
- Pagnotta, L. see Alfano, M. (1–2) 426
- Parker, R.G. see Canchi, S.V. (1–2) 360
- Paviotti, M. see Fidecaro, F. (3–5) 856
- Pellicano, F. and Amabili, M., Dynamic instability and chaos of empty and fluid-filled circular
 cylindrical shells under periodic axial loads (1–2) 227
- Petit, C. see Guigou-Carter, C. (3–5) 878
- Phillips, J. see Saurenman, H. (3–5) 888
- Pierce, S.G., Worden, K. and Manson, G., A novel information-gap technique to assess reliability of
 neural network-based damage detection (1–2) 96

Poisson, F. and Margiocchi, F., The use of dynamic dampers on the rail to reduce the noise of steel railway bridges	(3–5) 944
Poisson, F. see Mellet, C.	(3–5) 535
Redekop, D. see Xu, B. (Short Communications)	(1–2) 440
Ringheim, M. see Talotte, C.	(3–5) 975
Rizos, D.C. and Zhou, S., An advanced direct time domain BEM for 3-D wave propagation in acoustic media	(1–2) 196
Roda, A. see Baeza, L.	(1–2) 112
Santamaría, J. see Gómez, J.	(3–5) 522
Santoro, M. see Eadie, D.T.	(3–5) 747
Saurenman, H. and Phillips, J., In-service tests of the effectiveness of vibration control measures on the BART rail transit system	(3–5) 888
Schevenels, M. see Degrande, G.	(3–5) 626
Schröder, S. see Asmussen, B.	(3–5) 1070
Schulte-Werning, B., Beier, M., Degen, K.G. and Stiebel, D., Research on noise and vibration reduction at DB to improve the environmental friendliness of railway traffic	(3–5) 1058
Shahruz, S.M., Limits of performance of mechanical band-pass filters used in energy scavenging (Short Communications).	(1–2) 449
Sheng, X., Jones, C.J.C. and Thompson, D.J., Prediction of ground vibration from trains using the wavenumber finite and boundary element methods	(3–5) 575
Sheng, X., Thompson, D.J., Jones, C.J.C., Xie, G., Iwnicki, S.D., Allen, P. and Hsu, S.S., Simulations of roughness initiation and growth on railway rails.	(3–5) 819
Singleton Jr., H.L. see Hanson, C.E.	(3–5) 873
Sol, H. see Maes, J.	(3–5) 557
Staiger, M. see Fodiman, P.	(3–5) 475
Stephen, N.G., On energy harvesting from ambient vibration.	(1–2) 409
Stephen, N.G. and Zhang, Y., Coupled tension–torsion vibration of repetitive beam-like structures	(1–2) 253
Stiebel, D. see Schulte-Werning, B.	(3–5) 1058
Stiebel, D. see Talotte, C.	(3–5) 975
Strube, R. see Asmussen, B.	(3–5) 1070
Subashi, G.H.M.J., Matsumoto, Y. and Griffin, M.J., Apparent mass and cross-axis apparent mass of standing subjects during exposure to vertical whole-body vibration	(1–2) 78
Ta, M.-N. and Lardiès, J., Identification of weak nonlinearities on damping and stiffness by the continuous wavelet transform	(1–2) 16
Talotte, C., van der Stap, P., Ringheim, M., Dittrich, M., Zhang, X. and Stiebel, D., Railway source models for integration in the new European noise prediction method proposed in Harmonoise	(3–5) 975
Talotte, C. see Mellet, C.	(3–5) 535
Tang, J. see Xue, X.	(1–2) 335
Thompson, D.J., Proceedings of the Eighth International Workshop on Railway Noise, Buxton, England, 8–11 September 2004	(3–5) 473
Thompson, D.J. see Bewes, O.G.	(3–5) 933
Thompson, D.J. see Ford, R.A.J.	(3–5) 807
Thompson, D.J. see Jones, C.J.C.	(3–5) 485
Thompson, D.J. see Kitagawa, T.	(3–5) 496
Thompson, D.J. see Monk-Steel, A.D.	(3–5) 766
Thompson, D.J. see Sheng, X.	(3–5) 575
Thompson, D.J. see Sheng, X.	(3–5) 819
Thompson, D.J. see Wu, T.X.	(3–5) 566
Thompson, D.J. see Xie, G.	(3–5) 921
Turner, S. see Hardy, A.E.J.	(3–5) 965
Tzou, H.S. see Chai, W.K.	(1–2) 286
Vadillo, E.G. see Gómez, J.	(3–5) 522
Van de Velde, W. see Degrande, G.	(3–5) 626
van der Stap, P. see Talotte, C.	(3–5) 975
van der Zijpp, F. see de Vos, P.H.	(3–5) 1051
Vanlanduit, S. see Verboven, P.	(1–2) 299

- Verboven, P., Guillaume, P., Vanlanduit, S. and Cauberghe, B., Assessment of nonlinear distortions in modal testing and analysis of vibrating automotive structures (1-2) 299
- Verheijen, E., A survey on roughness measurements (3-5) 784
- Villot, M. see Guigou-Carter, C. (3-5) 878
- Vincent, N., Koch, J.R., Chollet, H. and Guerder, J.Y., Curve squeal of urban rolling stock—Part 1: State of the art and field measurements (3-5) 691
- Vincent, N. see Chiello, O. (3-5) 710
- Vincent, N. see Koch, J.R. (3-5) 701
- Wang, A. see Bewes, O.G. (3-5) 933
- Wang, A. see Cox, S.J. (3-5) 901
- Wang, A. see Degrande, G. (3-5) 626
- Wang, K.Y. see Jin, X.S. (3-5) 830
- Wen, Z.F. see Jin, X.S. (3-5) 830
- Wong, S.J., Fox, C.H.J. and McWilliam, S., Thermoelastic damping of the in-plane vibration of thin silicon rings (1-2) 266
- Worden, K. see Pierce, S.G. (1-2) 96
- Wu, T.X. and Thompson, D.J., On the rolling noise generation due to wheel/track parametric excitation. . . (3-5) 566
- Xiaoan, G., Railway environmental noise control in China (3-5) 1078
- Xie, G., Thompson, D.J. and Jones, C.J.C., A modelling approach for the vibroacoustic behaviour of aluminium extrusions used in railway vehicles (3-5) 921
- Xie, G. see Sheng, X. (3-5) 819
- Xu, B. and Redekop, D., Natural frequencies of an orthotropic thin toroidal shell of elliptical cross-section (Short Communications) (1-2) 440
- Xue, X. and Tang, J., Robust and high precision control using piezoelectric actuator circuit and integral continuous sliding mode control design (1-2) 335
- Yang, W.-X., Establishment of the mathematical model for diagnosing the engine valve faults by genetic programming. (1-2) 213
- Yeo, M.H. and Lee, W.K., Evidences of global bifurcations of an imperfect circular plate (1-2) 138
- Yilmaz, C. and Kikuchi, N., Analysis and design of passive low-pass filter-type vibration isolators considering stiffness and mass limitations. (1-2) 171
- Zhang, X. and Jonasson, H.G., Directivity of railway noise sources (3-5) 995
- Zhang, X. see Dittrich, M.G. (3-5) 986
- Zhang, X. see Talotte, C. (3-5) 975
- Zhang, Y. see Stephen, N.G. (1-2) 253
- Zhou, S. see Rizos, D.C. (1-2) 196
- Zhou, Z.R. see Jin, X.S. (3-5) 830