

Acoustic radiation of a submerged cylindrical shell in low frequency

Van de Loock, Julien; **Klauson, Aleksander** Journal of the Acoustical Society of America 2013 / p. EL26-EL32 : ill
<https://doi.org/10.1121/1.4769398> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Acoustic scattering by submerged cylindrical shell stiffened by an internal lengthwise rib

Klauson, Aleksander; Maze, Gerard; **Metsaveer, Jaan** The Journal of the Acoustical Society of America 1994 / 3, p. 1575-1581: ill
<https://pubs.aip.org/asa/jasa/article-abstract/96/3/1575/971316/Acoustic-scattering-by-submerged-cylindrical-shell?redirectedFrom=fulltext>

Advanced dynamic models for analysis of vibrations of road train trailers with big loading capacity

Arjassov, Gennadi; **Petrishenko, Andres** Proceedings [of] 8th International Conference on the Modern Information Technology in the Innovation Processes of the Industrial Enterprises : MITIP2006 : 11-12 September 2006, Budapest, Hungary 2006 / p. 359-364 : ill

Analysis of common mode and rapidly varying voltage profile on stator current harmonics of an inverter-fed induction motor

Sardar, Muhammad Usman; **Vaimann, Toomas**; **Kütt, Lauri**; **Kallaste, Ants**; **Asad, Bilal**; **Kudelina, Karolina**; **Akbar, Siddique** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p. : ill <https://doi.org/10.1109/RTUCON60080.2023.10413067>

Analysis of free vibration of rib floor systems

Arjassov, Gennadi; **Pappel, Toivo**; **Teder, Leo** BEM & FEM : 19th International Conference Mathematical Modelling in Solid Mechanics. Boundary and Finite Elements Methods, 30 May - 2 June 2001, Saint Petersburg, Russia : proceedings. Vol. 2 2001 / p. 47-52 : ill

Analysis of free vibration of rib floor systems

Arjassov, Gennadi; **Pappel, Toivo**; **Teder, Leo** BEM & FEM : 19th International Conference Mathematical Modelling in Solid Mechanics. Boundary and Finite Elements Methods, 30 May - 2 June 2001, Saint Petersburg, Russia : proceedings. Vol. 1 2001 / p. 29-30

Analysis of lathe vibration influence on blank roughness

Arjassov, Gennadi; **Otto, Tauno**; **Gromova, Svetlana** Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 120-123 : ill

Analysis of mechanical vibrations caused by eccentricity in a slow-speed slotless permanent magnet generator

Tiirats, Tauno; **Pabut, Ott**; **Kallaste, Ants**; **Herranen, Henrik**; **Naar, Hendrik**; **Vaimann, Toomas** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 237-241 : ill

Analysis of the options of modernization of roller-bit drilling machines with a submersible steamer

Yungmeister, Dmitry A.; **Krupenski, Igor**; Lavrenko, Sergey A. Journal of Mining Institute 2018 / p. 321 - 325
<https://doi.org/10.25515/pmi.2018.3.321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of the vibration magnitude of an induction motor with different numbers of broken bars

Martinez, Javier; **Belahcen, Anouar**; Muetze, Annette IEEE transactions on industry applications 2017 / p. 2711-2720 : ill
<https://doi.org/10.1109/TIA.2017.2657478> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of finite element method for the vibrodiagnostics of elastic systems

Arjassov, Gennadi 17th International Conference BEM/FEM99 : Boundary & FEM in Mechanics of Solids & Structures. Vol. 1 2000 / p. 30-32

Application of HoHWM in the stability analysis of nonlocal Euler-Bernoulli beam

Jena, Subrat Kumar; Chakraverty, Snehashish; **Ratas, Mart**; **Kirs, Maarjuss** International Conference of Numerical Analysis and Applied Mathematics ICNAAM 2019 : 23-28 September 2019 Rhodes, Greece 2020 / art. 230003 <https://doi.org/10.1063/5.0026439>
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Application of similarity theory methods theory for prediction of transport means electric motors vibration

Petrov, G. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 301-304

Bandgap dynamics in locally resonant metastructures : a general theory of internal resonator coupling

Alimohammadi, Hossein; **Vassiljeva, Kristina**; HosseinNia, S. Hassan; **Petlenkov, Eduard** Applied Sciences (Switzerland) 2024 / art. 2447 <https://doi.org/10.3390/app14062447> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Bearing fault analysis of BLDC motor for electric scooter application

Kudelina, Karolina; **Asad, Bilal**; **Vaimann, Toomas**; **Belahcen, Anouar**; **Rassõlkin, Anton**; **Kallaste, Ants**; Lukichev, Dmitry Designs 2020 / art. 42, 18 p. : ill <https://doi.org/10.3390/designs4040042> [Journal metrics at Scopus](#) [Article at Scopus](#)

Blast vibration intensity in the changing hydrogeological conditions

Toomik, Arvi; **Tomberg, Tõnu** Oil shale 2001 / 1, p. 5-14 : ill https://artiklid.elnet.ee/record=b2334151*est

Blast vibrations in oil shale surface mining

Toomik, Arvi; **Tomberg, Tõnu** Oil shale 1997 / 2, p. 155-162

Blast vibrations in oil shale surface mining

Tomberg, Tõnu; Toomik, Arvi ProGEO '97. Brochure of abstracts : the Second General Assembly of the European Association for the Conservation of the Geological Heritage : scientific conference : Tallinn-Lahemaa National Park, June 2nd-4th, 1997 1997 / p. 45

Blast vibrations in oil shale underground mining

Toomik, Arvi; **Tomberg, Tõnu** Oil shale 1998 / 1, p. 65-74: ill

Blasting parameters and seismic data - a background study

Ring, Merike; Soosalu, Heidi Elisabet; Nikulins, Valerijs 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 176-178 : ill

Calculation and analysis of radial forces in the air-gap of a cycloconverter-fed synchronous machine

Lehti, Matti; Luomi, Jorma 35 научная конференция студентов вузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция электромеханики. Секция электроэнергетики 1991 / с. 3-6: ил

Comprehensive computations of the response of faulty cage induction machines

Belahcen, Anouar; Martinez, Javier; **Vaimann, Toomas** Proceedings of the 2014 International Conference on Electrical Machines (ICEM) 2014 / p. 1504-1509 : ill

Computation of stator vibration of an induction motor using nodal magnetic forces [Online resource]

Sathyan, Sabin; **Belahcen, Anouar**; Kataja, Juhani; **Vaimann, Toomas**; Sobra, Jan 2016 XXII International Conference on Electrical Machines (ICEM) : SwissTech Convention Center, Lausanne, Switzerland, 04-07 September, 2016 : proceedings 2016 / p. 2198-2203 : ill <https://doi.org/10.1109/ICELMACH.2016.7732827>

Condition monitoring of a Cartesian robot with a mechanically damaged gear to create a fuzzy logic control and diagnosis algorithm

Autsou, Siarhei; Kudelina, Karolina; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants Applied sciences 2024 / art. 4241 <https://doi.org/10.3390/app14104241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Creation of defects and self-localized vibrations in crystals : effects of long-range forces in nonlinear dynamics

Haas, Mati; Hižnjakov, Vladimir; **Klopov, Mihhail**; Shelkan, A. International Conference : FM&NT : Functional Materials and Nanotechnologies 2011 : University of Latvia, April 5-8 : conference program. Book of abstracts 2011 / p. 173

Design optimization of multilayer graphene sheets

Majak, Jüri; Eerme, Martin; Arak, Marti; Kirs, Maarjus; Mikola, Madis First International Conference on Mechanics of Composites (MECHCOMP2014) : Stony Brook University, Long Island, New York, June 8-12, 2014 2014 / p. 175

Detection of cavitation in pumps through higher order derivatives

Teder, Leo; Pappel, Toivo Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 98-101 : ill

Determination of pressure on a vibrating elastic structure in fluid by FEM-BEM

Käes, Alar; Lahe, Andres; Metsaveer, Jaan; Ross, Urmas First Baltic-Scandinavian Symposium on Mechanics : abstracts 1990 / p. 29

Determination of pressure on an arbitrary shell vibrating in fluid medium

Aben, Madis; Lahe, Andres; Metsaveer, Jaan; Ross, Urmas Dynamics of structures '89. Vol. 1 and 2 1989 / p. 65-68 : ill https://inis.iaea.org/collection/NCLCollectionStore/_Public/22/038/22038294.pdf?r=1

Distribution of the local maximums for noise and vibration of transport vehicles

Lazarchuk, E.A. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 59-62

Effect of Magnetic Forces and Magnetostriction on the Stator Vibrations of a Bearingless Synchronous Reluctance Motor

Mukherjee, Victor; Rasilo, Paavo; Martin, Florian; **Belahcen, Anouar** IEEE transactions on magnetics 2019 / 4 p. : ill <https://doi.org/10.1109/TMAG.2019.2894739> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of vibration on accuracy of processed details when cutting

Arjassov, Gennadi; Pappel, Toivo; Gromova, Svetlana 20th International Conference Mathematical Modelling in Mechanics of Solid and Structures by Boundary & FEM. V.2 2003 / p. 51-57

Effect of vibrations on character of microroughness of machined details

Arjassov, Gennadi; Otto, Tauno Proceedings of the 21th International Conference Mathematical Modelling in Mechanics of Solid and Structures by Boundary & FEM. 2 2006 / p. 42-49

Estimation of complex derivatives application for fault diagnosis

Baraškova, Tatjana; Pascault, D. 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn, Estonia : abstracts 2012 / p. 19

Experimental and theoretical study of the sound scattering by the axial ribbed cylindrical shell

Klauson, Aleksander; Decultot, Dominique; Maze, Gerard; **Metsaveer, Jaan** 2nd European Conference on Underwater Acoustics : proceedings. Vol. 1 1994 / p. 153-158: ill

Experimental and theoretical study of the sound scattering by the axially ribbed cylindrical shell

Klauson, Aleksander; Metsaveer, Jaan; Decultot, Dominique; Maze, Gerard II European Conference on Underwater Acoustics, Copenhagen, 4.06.-6.06.1994 1994

Experimental identification of very low frequency flexural vibration modes of partly submerged plate [Electronic resource]

Decultot, Dominique; Chati, Farid; Maze, Gerard; **Klauson, Aleksander** Special issue of the Revista de Acustica : 19th International Congress on Acoustics, Madrid (Spain), 2-7 September 2007 2007 / [6] p. [CD-ROM]

Exploring the real-world challenges and efficacy of internal coupling in metastructures : an experimental perspective

Alimohammadi, Hossein; Vassiljeva, Kristina; Hosseinnia, S. Hassan; **Ellervee, Peeter; Petlenkov, Eduard** 2024 International Conference on Electrical, Computer and Energy Technologies (ICECET) 2024 <https://doi.org/10.1109/ICECET61485.2024.10698725>
[Article at Scopus](#)

Fault detecting accuracy of mechanical damages in rolling bearings

Kudelina, Karolina; Baraškova, Tatjana; Shirokova, Veroonika; Vaimann, Toomas; Rassõlkin, Anton Machines 2022 / art. 86
<https://doi.org/10.3390/machines10020086> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fault diagnosis of additional vibration in Cartesian robot

Autsou, Siarhei 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 21-22 : ill https://www.ester.ee/record=b5504019*est

Flicker mitigation by series-connected saturable reactor

Bolgov, Viktor; Järvik, Jaan Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2002 / p. 92-98 : ill

Forced vibration of ladder frames under the action of repeated loading

Arjassov, Gennadi; Petritšenko, Andres Proceedings of the 6th International Conference of DAAAM Baltic "Industrial Engineering" : 24-26th April 2008, Tallinn, Estonia. [1] 2008 / p. 25-30 : ill

Free vibration analysis of tapered Timoshenko beam with higher order Haar wavelet method

Mehrpavar, Marmar; Majak, Jüri; Karjust, Kristo; Arda, Mustafa Proceedings of the Estonian Academy of Sciences 2022 / p. 77-83 : ill <https://doi.org/10.3176/proc.2022.1.07> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Free vibration analysis of Timoshenko beam by higher-order Haar wavelet method

Mehrpavar, Marmar; Majak, Jüri; Karjust, Kristo AIP conference proceedings 2023 / art. 250007 <https://doi.org/10.1063/5.0162269>
[Conference proceedings at Scopus](#) [Article at Scopus](#)

Free vibration analysis of uniform and tapered timoshenko beam by higher-order haar wavelet method

Mehrpavar, Marmar; Majak, Jüri; Karjust, Kristo Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 38 l. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

Free vibration of floor structures of platform superstructures of trucks

Arjassov, Gennadi; Petritšenko, Andres Proceedings of 22th International Conference Mathematical Modelling in Mechanics of Solid and Structures by Boundary & FEM : St.Petersburg, September 2007 2007 / p. 41-42

Fuzzy logic and slip controller of clutch and vibration for hybrid vehicle

Vu, Trieu Minh; Pumwa, John International journal of control, automation and systems 2013 / p. 526-532 : ill
<https://doi.org/10.1007/s12555-012-0006-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Geoloogiteadmised on kaitserajatiste planeerimisel võtmetähtsusega

Bioneer.ee 2025 <https://bioneer.ee/geoloogiteadmised-kaitserajatiste-planeerimisel-v%C3%B5tmet%C3%A4htsusega>

Harvesting energy and stability insights in internally coupled resonator systems

Alimohammadi, Hossein; Vassiljeva, Kristina; HosseinNia, S. Hassan; Petlenkov, Eduard Proceedings, IEEE 18th International Conference on Advanced Motion Control, AMC2024, February 28-March 1, 2024 2024 / p. 1-6 : ill
<https://doi.org/10.1109/AMC58169.2024.10505680>

Higher order Haar wavelet method for vibration analysis of functionally graded beam

Mikola, Madis; Majak, Jüri; Pohlak, Meelis; Shvartsman, Boris AIP Conference Proceedings 2022 / art. 380003
<https://doi.org/10.1063/5.0081476> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Induction machine fault detection using smartphone recorded audible noise

Vaimann, Toomas; Sobra, Jan; Belahcen, Anouar; Rassõlkin, Anton; Rolak, Michal; Kallaste, Ants IET science, measurement and technology 2018 / p. 554-560 : ill <https://doi.org/10.1049/iet-smt.2017.0104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of different tooth belt transmission faults on the work of a cartesian robot

Autsou, Siarhei; Vaimann, Toomas; Rassõlkin, Anton; Kudelina, Karolina; Asad, Bilal Proceedings of the 2022 20th International Conference on Mechatronics - Mechatronika, (ME), Pilsen, Czech Republic, December 7–9, 2022 2022 / 5 p. : ill
<https://doi.org/10.1109/ME54704.2022.9982815>

Influence of magnetic forces and magnetostriction on the vibration behavior of an induction motor

Sathyan, Sabin; Aydin, Ugur; Lehtikainen, Antti; Belahcen, Anouar; Vaimann, Toomas; Kataja, Juhani International journal of applied electromagnetics and mechanics 2019 / p. 825-834 <https://doi.org/10.3233/JAE-171045> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of the curvature on the dispersion curves of a submerged cylindrical shell

Metsaveer, Jaan; Klauson, Aleksander The Journal of the Acoustical Society of America 1996 / 3, p. 1551-1560: ill
<https://pubs.aip.org/asa/jasa/article-abstract/100/3/1551/558269/Influence-of-the-curvature-on-the-dispersion?redirectedFrom=PDF>

In-process vibration monitoring on CNC lathe

Aruväli, Tanel; Serg, Risto; Otto, Tauno 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 174-178 : ill

Investigation of an acoustic efficiency of vibro-damping structures with viscous-elastic absorbers under different intensity load acting

Buvailo, L.; Konstantinova, O. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 39-42: ill

Investigation of blanks vibration on turning lathe

Arjassov, Gennadi Proceedings of the International Conference Complex Systems Intelligence and Modern Technological Applications : Cherbourg, France, 2004 2004 / [6] p

Investigation of the causes behind the vibrations of a high-speed solid-rotor induction motor

Sathyan, Sabin; Belahcen, Anouar; Lehtikainen, Antti; Aydin, Ugur; Boxberg, Fredrik Journal of sound and vibration 2019 / art. 114976, 14 p <https://doi.org/10.1016/j.jsv.2019.114976> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Jüri Lavrentjev: uuringud ei kinnita tuulikute mõju tervisele [Võrguväljaanne]

Lavrentjev, Jüri online.le.ee 2021 ["Jüri Lavrentjev: uuringud ei kinnita tuulikute mõju tervisele"](https://online.le.ee/record=b1331312*est)

Kinematics of ideal string vibration against a rigid obstacle

Kartofelev, Dmitri Proceedings of the 20th International Conference on Digital Audio Effects : 5-9 September 2017, Edinburgh UK 2017 / p. DAFX-40 - DAFX-47 : ill http://www.dafx17.eca.ed.ac.uk/papers/DAFx17_Proceedings.pdf

Konstruktori sõnavara : eesti-inglise-saksa-vene terminid ja määratlused

Üksti, Lembit 1999 https://www.ester.ee/record=b1331312*est

Konstruksioonide projekteerimise alused. Hoonete ja kõnniteede kasutuskõlblikkus vibratsioonide seisukohalt = Bases of design of structures. Serviceability of buildings and walkways against vibrations

2011 https://www.ester.ee/record=b2670541*est

Legacy of Nikolai Alumäe : theory of shells

Engelbrecht, Jüri; Kutser, Mati Proceedings of the Estonian Academy of Sciences 2015 / p. 139-145
https://artiklid.elnet.ee/record=b2727446*est <https://doi.org/10.3176/proc.2015.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A linearity test for acoustic one-port sources

Lavrentjev, Jüri; Boden, Hans; Abom, Mats Journal of sound and vibration 1992 / 3, p. 534-539

Materjali liikumine vibreerival alusel

Tamm, J.; Tümanok, Aleksei; Kangur, Hillar XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 38 https://www.ester.ee/record=b2449987*est

Mathematical methods for vibrations and their measurement

Arjassov, Gennadi; Baraškova, Tatjana Materials, methods & technologies 2009 / p. 272-280

Measurement equipment for low level vibration studies in mass laboratory

Parker, Martin; Kübarsepp, Toomas; Pärn, Angela 4th IMEKO TC22 Conference on Vibration Measurement 2017 : Held together with TC3 and TC5, Helsinki, Finland, 30 May - 1 June, 2017 / p. 76-78 <http://toc.proceedings.com/35394webtoc.pdf>

Measurement of vibration parameters of extended structures by integregation sensors

Zaletin, Valeri Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 65-68

Mechanical vibration analysis of induction machine under dynamic rotor eccentricity [Electronic resource]

Sobra, Jan; Vaimann, Toomas; Belahcen, Anouar 2016 17th International Scientific Conference on Electric Power Engineering (EPE) : proceedings 2016 / [4] p. : ill. [USB] <https://doi.org/10.1109/EPE.2016.7521732>

Membrane-spring damper of low-frequency gas dynamic pulsations

Vassiliev, A.V. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 43-46: ill

Methods of reduction of vibroactivity of hydraulic devices and pipes

Berestovitsky, E.; Gladilin, U.; Pavlov, A. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 269-272: ill

Modeling of defect formation and self-localized vibrations in solids

Hižnjakov, Vladimir; Haas, Mati; Šelkan, Aleksander; Klopov, Mihhail 2012 Computer Simulation of Radiation Effects in Solids, Santa Fe, New Mexico, USA, June 24-29, 2012 : COSIRES 2012 program book 2012 / p. 24 <https://www.sciencedirect.com/science/article/pii/S0168583X1300222X>

Multi-sensor fault diagnosis of induction motors using random forests and support vector machine

Saberi, Alireza Nemat; Sandirasegaram, Sarvavignoban; Belahcen, Anouar; Vaimann, Toomas; Sobra, Jan 2020 International Conference on Electrical Machines (ICEM), 23-26 august 2020, Gothenburg, Sweden : online : proceedings 2020 / p. 1404–1410 <https://doi.org/10.1109/ICEM49940.2020.9270689>

Müraekspendid: harjutusväljade juures napib müra leevendamise võimalusi

Mõttus, Mirjam err.ee 2023

Nanoscale vibration analysis of graphene sheets using nonlocal elasticity theory

Majak, Jüri; Pohlak, Meelis; Eerme, Martin; Kers, Jaan Proceedings of the International Conference on Mechanics of Nano, Micro and Macro Composite Structures : 18 to 20 June 2012 2012 / [1] p

Nanoscale vibration analysis of graphene sheets using nonlogical elasticity theory

Majak, Jüri; Kirs, Maarjus; Mikola, Madis; Heero, Marek; Herranen, Henrik ICCE 21 proceedings 2013

Nanoscale vibration analysis of orthotropic graphene sheets

Majak, Jüri; Eerme, Martin; Lepikult, Toomas; Tungel, Ernst ICCS17 : 17th International Conference on Composite Structures : Portugal 17-21 June 2013 : book of abstracts 2013

New procedure for estimation of the physical values [Online resource]

Baraškova, Tatjana; Shirokova, Veroonika IJRDO - Journal of applied science 2018 / p. 27-30 : ill <https://ijrdo.org/index.php/as/article/view/2432>

Noise and vibration estimation on the territory near high speed trains railway

Kostarev, S.A.; Makhortykh, S.A.; Rybak, S.A.; Andreyev, N.N. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 209-212: ill

Non-contact measurement of skin vibrations induced by blood pressure

Meigas, Kalju; Lass, Jaanus; Kattai, Rain Automatika : ATKAAF 1999 / 1/2, p. 31-35 : ill

Non-destructive identification of elastic constants by vibration measurements and optimization

Lasn, Kaspar; Klauson, Aleksander OAS 2011 : International Conference on Optimization and Analysis of Structures, August 25-27, 2011, Tartu, Estonia : abstracts 2011 / p. 22

Non-invasive measurement and determination of structural vibration modes of precision controlled motion systems

Kaušinis, Saulius; Isoda, Antanas BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 271-272: ill

Nonlinear dynamics in PEH for enhanced power output and vibration suppression in metastructures

Alimohammadi, Hossein; Vassiljeva, Kristina; HosseinNia, S. Hassan; Petlenkov, Eduard Nonlinear Dynamics 2024 / p. 12941 - 12963 <https://doi.org/10.1007/s11071-024-09739-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear vibrations of elastic-plastic structures by Galerkin's method

Lepik, Ülo Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 166-167

On friction induced vibrations of block brakes and their effects on roughness generation of railway wheels

Ross, Urmas Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 87-90: ill

On the accuracy of the Haar wavelet discretization method

Majak, Jüri; Shvartsman, Boris; Karjust, Kristo; Mikola, Madis; Haavajõe, Anti; Pohlak, Meelis Composites Part B : Engineering 2015 / p. 321-327 : tab <https://doi.org/10.1016/j.compositesb.2015.06.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the investigation of free vibrations of floor systems

Arjassov, Gennadi; Pappel, Toivo; Teder, Leo Proceedings of the 2nd International Conference, 27-29th April 2000, Tallinn, Estonia / DAAAM International Vienna, DAAAM National Estonia 2000 / p. 49-52 : ill

On the necessity and implementation of vibrodiagnostics

Teder, Leo; Arjassov, Gennadi; Pappel, Toivo BEM & FEM-2000 : Математическое моделирование в механике сплошных сред на основе методов граничных и конечных элементов : XVIII международная конференция : труды том III : 18th International Conference Mathematical Modelling in Solid Mechanics by Boundary & Finite Element Methods : May 16-20, 2000. Proceedings, III 2000 / p. 214-219 : ill

On the use of structure-borne sound transfer path analysis (TPA) in road vehicles at medium and high frequencies

Plunt, Juha Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 175-179: ill

On the vibro-acoustic properties of a rotating perforated railway wheel

Daneryd, A.; Frid, A.; Lundberg, E.; Nielsen, J. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 31-34: ill

Osuti näidu viga mõõteriista vibreerimisel

Toppi, E.; Tümanok, Aleksei XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 39 https://www.ester.ee/record=b2449987*est

Overview of the use of Bellman dynamic programming method to eliminate oscillations in mechanical and electrical assemblies of technical objects

Autsou, Siarhei; Saroka, Viktor; Karpovich, Dzmitry; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärda, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p <https://doi.org/10.1109/PQ.2019.8818246>

Performances of measuring instruments, used for a measurement of a noise and vibration from trains of underground in residential buildings

Nekrasov, I.A. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 225-228

Prediction of high-frequency intrinsic localized modes in Ni and Nb

Haas, Mati; Hižnjakov, Vladimir; Šelkan, Aleksander; Klopov, Mihhail; Sievers, A.J. Physical review B 2011 / p. 144303-1 - 144303-8 : ill <https://journals.aps.org/prb/abstract/10.1103/PhysRevB.84.144303>

Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06.1998

1998 https://www.ester.ee/record=b1053821*est

Quasilinear method of calculation and reduction of vibration of flexible cable system in non-uniform flow field

Kravchun, P. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 261-264: ill

Real-time machinery monitoring applications in shop floor

Aruväli, Tanel; Reinson, Taavi; Serg, Risto Proceedings of the World Congress on Engineering and Computer Science 2011 : WCECS 2011 : October 19-21, 2011, San Francisco, USA. Vol. I 2011 / p. 337-342 : ill
https://www.iaeng.org/publication/WCECS2011/WCECS2011_pp337-342.pdf

Risk assessment of vibration impact on roof and pillars stability in Estonian underground

Sabanov, Sergei; Pastarus, Jüri-Rivaldo; Nikitin, Oleg; Väli, Erik 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 57-61 : ill

Safety improvements for high-speed planing craft occupants : A systematic review

Roshan, Fatemeh; Dashtimanesh, Abbas; Kujala, Pentti Jouko Sakari Journal of marine science and engineering 2024 / art. 845
<https://doi.org/10.3390/jmse12050845> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simplified algorithm applicable for vibration measurements in buildings

Parker, Martin; Kübarsepp, Toomas 16th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology III" : Pärnu, Estonia, January 16-21, 2017 2017 / p. 201-202
http://www.ester.ee/record=b4650094*est

Simulation of wind turbine vibrations

Andriushchenko, Ekaterina; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton; Meshkov, Aleksandr; Heidari, Hamidreza; Demidova, Galina 2020 27th International Workshop on Electric Drives: MPEI Department of Electric Drives 90th Anniversary (IWED), Moscow, Russia, January 27-30, 2020 2020 / 4 p <https://doi.org/10.1109/IWED48848.2020.9069567>

Skin surface vibration measurement by optical self mixing in a diode laser

Meigas, Kalju; Lass, Jaanus; Kattai, Rain 8th International IMEKO Conference on Measurement in Clinical Medicine Biomedical Measurement and Instrumentation & 12th International Symposium on Biomedical Engineering, Dubrovnik, Croatia, September 16-19, 1998 : proceedings 1998 / p. 2.42-2.45: ill

Software for the fundamental analysis of vibration

Ermak, A.; Leht, R.; Baraškova, Tatjana XIV Международный научно-технический семинар Неопределенность измерений : научные, нормативные, прикладные и методические аспекты : UM-2017 : тезисы докладов : Созополь, 8 сентября 2017 = XIV International Scientific and Technical Seminar Measurement Uncertainty : Scientific, Normative, Applied and Methodical Aspects : UM-2017 : theses of reports : Sozopol, September 8, 2017 2017 / p. 42-43

Some features of noise control in vehicles by sound-proofed enclosures

Drozdova, Lyudmila; Omelchenko, Alexander; Potekhin, Vyacheslav Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 229-232: ill

Sound scattering by a cylindrical shell reinforced by lengthwise ribs and walls

Klauson, Aleksander; Metsaveer, Jaan Journal of the Acoustical Society of America 1992 / 91(4), pt. 1, p. 1834-1843

Sound scattering by a cylindrical shell with hemispherical endcaps

Klauson, Aleksander; Metsaveer, Jaan; Touraine, Nicolas; Decultot, Dominique; Maze, Gerard Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 243-246: ill

Sound scattering by a fluid-loaded cylindrical shell with a diametral wall

Baillard, Andre; Conoir, Jean-Marc; Decultot, Dominique; Maze, Gerard; Klauson, Aleksander; Metsaveer, Jaan Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 251-254: ill

Sound scattering by a fluid-loaded finite cylindrical shell

Klauson, Aleksander; Metsaveer, Jaan; Touraine, Nicolas; Decultot, Dominique; Maze, Gerard Proceedings of the 16th International Congress on Acoustics and 135th Meeting of the Acoustical Society of America, Seattle, Washington, 20-26 June 1998 1998 / p. 575-576

Sound scattering by a fluid-loaded finite cylindrical shell

Klauson, Aleksander; Metsaveer, Jaan; Touraine, Nicolas; Decultot, Dominique; Maze, Gerard Journal of the Acoustical Society of America 1998 / 5, pt. 2, p. 2813

Sound scattering by a stiffened cylindrical shell using elasticity theory

Baillard, Andre; Conoir, Jean-Marc; Decultot, Dominique; Maze, Gerard; Klauson, Aleksander; Metsaveer, Jaan Journal of the Acoustical Society of America 1998 / No. 3, Pt. 2, p. 1754

Sound scattering from a cylindrical shell stiffened by a transversal plate

Klauson, Aleksander; Metsaveer, Jaan; Haumesser, Lionel; Decultot, Dominique; Maze, Gerard Proceedings of the Sixth European Conference on Underwater Acoustics 2002 / p. 137-140

Stability analysis and energy harvesting in lumped parameter systems with internally coupled resonators

Alimohammadi, Hossein; Vassiljeva, Kristina; HosseinNia, S. Hassan; Petlenkov, Eduard JVC/Journal of Vibration and Control 2024 / 13 p. : ill <https://doi.org/10.1177/10775463241241161> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Strain wave propagation through felt-like material

Vuin, Maria Miranda; Kartofelev, Dmitri; Salupere, Andrus Symposium on the Acoustics of Poro-Elastic Materials 2023 / 24 p. : ill https://sapem2023.matelys.com/proceedings/Vuin_et_al_SAPem2023.pdf

Study of free vibration of ladder frames reinforced with plate

Arjassov, Gennadi; Petritsenko, Andres Solid state phenomena 2009 / p. 368-373 : ill <https://www.scientific.net/SSP.147-149.368>

Study of free vibrations of ladder reinforced with plates

Arjassov, Gennadi; Petritsenko, Andres The 4th International Conference Mechatronics Systems and Materials : MSM 2008 : Bialystok, Poland, 14-17 July, 2008 2008 / p. 116-117
https://www.researchgate.net/publication/243762343_Study_of_Free_Vibration_of_Ladder_Frames_Reinforced_with_Plate

Study of vibration effect caused by the traffic in condition (state) of architectonic monuments of St.-Petersburg

Moisseev, V.V.; Chizhov, V.Yu.; Zvyagintseva, I.F. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 137-140: ill

Synthesis of the echo-signal from a cylindrical shell

Ratassepp, Madis; **Metsaveer, Jaan; Klauson, Aleksander;** Decultot, Dominique; Maze, Gerard Tenth International Congress on Sound and Vibration : 7-10 July 2003, Stockholm, Sweden 2003 / p. 2483-2490 : ill
https://www.researchgate.net/publication/290165960_Synthesis_of_the_echo-signal_from_a_cylindrical_shell

System vibration control using linear quadratic regulator

Abdelrahman, Mostafa; Arjassov, Gennadi; Tamre, Mart; Penkov, Igor International journal of applied mechanics and engineering 2022 / p. 1-8 <https://doi.org/10.2478/ijame-2022-0031> [Journal metrics at Scopus](#) [Article at Scopus](#)

The impact of blasting depth on the intensity of ground vibrations

Toomik, Arvi; **Tomberg, Tõnu** Oil shale 1999 / 2, p. 109-115

The usage of fuzzy logic for detecting mechanical faults in gearboxes of robotic system

Autsou, Siarhei; Kudelina, Karolina; Vaimann, Toomas; Rassõlkin, Anton 2024 International Conference on Electrical Machines (ICEM) 2024 / 7 p <https://doi.org/10.1109/ICEM60801.2024.10700425>

The use of higher order differentiation for monitoring cavitation

Teder, Leo; Pappel, Toivo OST-03 Symposium on Machine Design 2003 / p. 165-168

The use of real number order differentiation and integration in condition monitoring

Teder, Leo; Pappel, Toivo Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 62-65 : ill

Theoretical and experimental investigation of grillages vibration under the action of repeated loading

Arjassov, Gennadi; Pappel, Toivo; Teder, Leo OST-99 Symposium on Machine Design : Stockholm, 30th Sept. - 1st Oct., 1999 : proceedings 1999 / p. 165-174: ill

Three-dimensional vibrations of wind turbines

Andriushchenko, Ekaterina; Meshkov, Aleksandr IOP conference series : materials science and engineering 2019 / art. 012006, 6 p <https://doi.org/10.1088/1757-899X/666/1/012006>

To question indirect of objective estimation influence of noises and vibrations on spectral parameters of speaker

Pospelov, B.; Dolotin, K. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 63-64

Приближенный метод оценки вибрационной надежности турбинных дисков

Zinovjev, Nikolai 1958 https://www.ester.ee/record=b1393035*est <https://digikogu.taltech.ee/et/Item/7d74f6f9-2a73-4da6-b5d0-6f1dc811bdbc>

Transverse intrinsic localized modes in monatomic chain and in graphene

Hižnjakov, Vladimir; **Klopov, Mihhail;** Šelkan, Aleksander Physics letters A 2016 / p. 1075–1081

A 2D magnetic and 3D mechanical coupled finite element model for the study of the dynamic vibrations in the stator of induction motors

Martinez, Javier; **Belahcen, Anouar**; Detoni, Joaquim G. Mechanical systems and signal processing 2016 / p. 640-656 : ill
<http://dx.doi.org/10.1016/j.ymssp.2015.06.014>

Two-unit elastic system for vibration reduction of underground railway

Kostarev, S.A.; Makhortykh, S.A.; Rybak, S.A.; Andreyev, N.N. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 213-216: ill

Using 'Staggering' solution methods to solve vibro-acoustic problems

Gustavsson, Mats; Hansson, Mats Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 164-165

Vibration analysis of multifunctional laminated glass panel [Online resource]

Väer, Kaur; Õunapuu, Erko; Eerme, Martin; Auriemma, Fabio; Rämmal, Hans International Conference "Functional Materials and Nanotechnologies 2017" : Tartu, Estonia in April, 24-27, 2017 : book of abstracts 2017 / p. 145
http://www.ester.ee/record=b4668793*est

Vibration and noise caused by lawn maintenance machines in association with risk to health

Tint, Piia; Tarmas, Gültšara; Koppel, Tarmo; Reinhold, Karin; Kalle, Sigrid Agronomy research 2012 / p. 251-260 : ill
https://www.researchgate.net/publication/266389031_Vibration_and_noise_caused_by_lawn_maintenance_machines_in_association_with_risk_to_health

Vibration as fault indicator in electrical machines

Farzam Far, Mehrmaz; **Belahcen, Anouar**; Arkkio, Antero; Roivainen, Janne Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 120-125 : ill

Vibration of ladder frames = Risttaladest tasandraamide võnkumised

Petritšenko, Andres 2010 https://www.ester.ee/record=b2595706*est

Vibration of strings with nonlinear supports

Stulov, Anatoli; Kartofelev, Dmitri Applied acoustics 2014 / p. 223-229 : ill <https://doi.org/10.1016/j.apacoust.2013.08.010> Journal metrics at Scopus Article at Scopus Journal metric at WOS Article at WOS

Vibrations of stepped plate strips with cracks

Lellep, Jaan; **Kägo, Esta** Mathematical models for engineering science 2010 / p. 244-249 : ill
https://www.researchgate.net/publication/262210037_Vibrations_of_stepped_plate_strips_with_cracks

Vibrationsmessgerät auf der Basis von Signalprozessor

Boiko, Vitali; Laugis, Juhan Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists : Tallinn, Estonia, May 31 - June 5, 1999 1999 / p. 71-72

Vibroacoustical effect of using of a vibrodamping treatment on the big-scale model of transport structures

Vinogradov, B.; Medvedev, V. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 297-300: ill

Vibroisolation device of new construction

Nikolaev, N.; Petrov, Yu.; Markov, S. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 293-296: ill

Vibromenetlusest betoonteedel

Grauen, Andres VII teedepäeva referaadid 1937 / lk. 79-90 : joon., fot https://www.ester.ee/record=b1148566*est

Vision and policy of NS railinfraabeheer with regard to the noise and vibrations of railway infrastructure

Verhees, F. Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 21-24

Вибрации при одновременном течении и обкатывании

Vällo, Arnold Сборник статей по машиностроению. 2 1964 / с. 3-10 : илл https://www.ester.ee/record=b2181977*est
<https://digikogu.taltech.ee/et/Item/b3ddf302-2eed-45dc-8723-604ef8b675b2>

Высокотемпературная коррозия стали 12ХИМФ в условиях виброочистки

Tallermo, Harri Теплоэнергетика : сборник статей. 5 1966 / с. 77-89 : илл https://www.ester.ee/record=b2182028*est
<https://digikogu.taltech.ee/et/Item/60477e94-d6f9-4871-8eef-381dd1d5f9ba>

Зависимости изнашивания металлополимерных материалов от нагрузки и параметров вибраций в паре трения
Velling, Ants; Nanits, Mats-Maidu Всесоюзная научно-техническая конференция "Повышение ресурса узлов трения, работающих в экстремальных условиях" (г. Пермь, 28-30 мая 1986 г.) : Тезисы докладов 1986 / с. [?]

Исследование балансировочных машин : автореферат ... кандидата технических наук
Lepikson, Heino 1949 https://www.ester.ee/record=b2325600*est

Исследование балансировочных машин : диссертация ... кандидата технических наук
Lepikson, Heino 1949 https://www.ester.ee/record=b2561806*est

Исследование вибропрочности пластмассовых резьбовых соединений
Strižak, Viktor; Meng, Valentin; Ševtšenko, J. P. Материалы научно-технической конференции "Прогрессивная технология машиностроения" (2-3 июня 1976 г.) 1977 / с. 73

Исследование пневмовибратора к трибометру ВТ-1
Saar, Bernhard; Tani, Peeter XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 135-136 https://www.ester.ee/record=b1322629*est

О выводе уравнений колебания струны и мембраны
Relvik, Heino Исследования по динамике конструкций 1981 / с. 95-97 https://www.ester.ee/record=b1309334*est

О целесообразности применения квазипикового детектора при 1/3 - октавном и более узкополосном спектральном анализе шумов и вибраций
Tamm, Uljas Конспекты докладов : "Вибрационная техника", семинар (Москва), : Сборник 1 1969 / с. [?]

1/3 - октавный спектроанализатор шумов вибраций имеющий цифровой выход
Sudist, V.; Tamm, Uljas Конспекты докладов : "Вибрационная техника", семинар (Москва), : Сборник 1 1969 / с. [?]

Опыт применения вибрационных трибометров при ускоренном определении износостойкости материалов
Ajaots, Maidu; Nanits, Mats-Maidu Всесоюзная научно-практическая конференция "Теория и практика создания, испытания и эксплуатация триботехнических систем" (г. Андропов, 28-30 мая 1986 г.) : Тезисы докладов 1986 / с. 113

Программный метод измерения фазового дрожания
Kravets, Valeri Elektronika - 2001 = Electronics - 2001 : proceedings of the 5th international conference 2001 / p. 122-125 : ill

Ускоренная оценка износостойкости подшипниковых материалов с помощью вибрационного трибометра
Ajaots, Maidu; Nanits, Mats-Maidu Долговечность, расчет и конструирование деталей и узлов машин и технологического оборудования 1985 / с. 41-51