

Application of multidimensional laser measurement for Lamb wave testing

Ratassepp, Madis Measuring by light 2014, a topical workshop on "Quality Control, Condition Monitoring and Predictive Maintenance Using Optical Measurement Techniques" 2014

Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity

2019 <https://doi.org/10.1007/978-3-030-29951-4> https://www.ester.ee/record=b5303400*est

Applying guided waves for the characterization of defects in isotropic plates

Ratassepp, Madis; Rihma, Joonas; Klauson, Aleksander OAS 2011 : International Conference on Optimization and Analysis of Structures, August 25-27, 2011, Tartu, Estonia : abstracts 2011 / p. 38

A cluster of many small holes with negative imaginary surface impedances may generate a negative refraction index

Alsaedi, Ahmed; Ahmad, Bashir; **Challa, Durga Prasad**; Kirane, Mokhtar; Sini, Mourad Mathematical methods in the applied sciences 2016 / p. 3607-3622 : ill <https://doi.org/10.1002/mma.3805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Complexity in engineering and natural sciences

Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2015 / p. 249-255 https://artiklid.elnet.ee/record=b2740532*est <https://doi.org/10.3176/proc.2015.3.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Criteria for modelling wave phenomena in complex systems : the case of signals in nerves

Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Proceedings of the Estonian Academy of Sciences 2019 / p. 276-283 : ill <https://doi.org/10.3176/proc.2019.3.05> http://www.kirj.ee/public/proceedings_pdf/2019/issue_3/proc-2019-3-276-283.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Damping of acoustic waves in straight ducts and turbulent flow conditions

Tiikoja, Heiki; Auriemma, Fabio; Lavrentjev, Jüri SAE Technical Paper Series : 9th International Styrian Noise, Vibration & Harshness Congress : The European Automotive Noise Conference 2016 / Paper 2016-01-1816, p. 1-9 : ill <https://doi.org/10.4271/2016-01-1816> [Conference Proceedings at Scopus](#) [Article at scopus](#)

Deformation waves in microstructured solids and dimensionless parameters

Engelbrecht, Jüri; Peets, Tanel; Tamm, Kert; Salupere, Andrus Proceedings of the Estonian Academy of Sciences 2013 / p. 109-115 : ill https://artiklid.elnet.ee/record=b2624195*est <https://doi.org/10.3176/proc.2013.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determination of inhomogeneous properties of materials by analysis of ultrasonic wave motion

Braunbrück, Andres ACTA acustica united with acustica 2014 / p. 259-265 : ill

Discontinuity-driven mesh alignment for evolving discontinuities in elastic solids

Berezovski, Mihail; **Berezovski, Arkadi** Journal of computational physics 2020 / art. 109542, 21 p <https://doi.org/10.1016/j.jcp.2020.109542> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dispersion analysis of wave motion in microstructured solids = Lainete dispersioon mikrostruktuuriga materjalides

Peets, Tanel 2011

Dispersive waves in microstructured solids

Berezovski, Arkadi; Engelbrecht, Jüri; Salupere, Andrus; Tamm, Kert; Peets, Tanel; Berezovski, Mihail International journal of solids and structures 2013 / p. 1981-1990 : ill <https://doi.org/10.1016/j.ijsolstr.2013.02.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Elektromagnetväljad ja -lained biomeditsiinitehnikas : loengukonspekt

2012 https://www.ester.ee/record=b2759438*est

Emergence of solitonic structures in hierarchical Korteweg–de Vries Systems

Salupere, Andrus; Lints, Martin; Illison, Lauri Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity 2019 / p. 89-124 https://doi.org/10.1007/978-3-030-29951-4_5 https://www.ester.ee/record=b5303400*est

Experimental, analytical, and numerical study of transient elastic waves from a localized source in an aluminium strip

Mračko, Michal; Adamek, Vítězslav; **Berezovski, Arkadi**; Kober, Jan; Kolman, Radek Applied acoustics 2021 / art. 107983 <https://doi.org/10.1016/j.apacoust.2021.107983> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fading characteristics relevant to medium range HF channel

Meister, Mari-Anne Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK viienda aastakonverentsi artiklite kogumik : 25.-26. novembril 2011, Nelijärve 2011 / p. 71-74 : ill

Frequency-dependent attenuation and phase velocity dispersion of an acoustic wave propagating in the media with damages

Stulov, Anatoli; Erofeev, Vladimir Generalized continua as models for classical and advanced materials 2016 / p. 413-423
https://doi.org/10.1007/978-3-319-31721-2_19 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Frequency-dependent dissipation in dispersive wool felt [Online resource]

Kartofelev, Dmitri; Tamm, Kert; Peets, Tanel 22nd International Congress on Acoustics ICA 2016 : proceedings 2016 / p. 53
http://ica2016.org.ar/website/wp-content/uploads/ICA2016_Proceedings.pdf

Frequency-dependent dissipation in dispersive wool felt [Online resource]

Kartofelev, Dmitri; Tamm, Kert; Peets, Tanel 22nd International Congress on Acoustics ICA 2016 : [complete proceedings] 2016 / p. 1-10 : ill <http://ica2016.org.ar/website/proceedings/>

Full field computing for elastic pulse dispersion in inhomogeneous bars

Berezovski, Arkadi; Kolman, Radek; Berezovski, Mihhail; Gabriel, Dusan; Adámek, V. Composite structures 2018 / p. 388-394 : ill
<https://doi.org/10.1016/j.compstruct.2018.07.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Helical wave analysis for spherical wave scattering by an infinite cylindrical shell [Electronic resource]

Metsaveer, Jaan; Klauson, Aleksander 17th International Congress on Acoustics : Rome, Italy, 2-7 September 2001. 1 2001 / [2]
p. [CD-ROM]

Higher rank representations and causality

Loide, Rein-Karl Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1982 / lk. 451-453
https://www.ester.ee/record=b1264310*est

Implications of the theory of turbulent mixing for wave propagation in media with fluctuating coefficient of refraction

Kalda, Jaan; Kree, Mihkel Proceedings of the Estonian Academy of Sciences 2015 / p. 285-290 : ill
https://artiklid.elnet.ee/record=b2740540*est

Influence of microstructure on thermoelastic wave propagation

Berezovski, Arkadi; Berezovski, Mihhail Acta mechanica 2013 / p. 2623-2633 : ill <https://doi.org/10.1007/s00707-013-0884-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of microstructure on thermoelastic wave propagation

Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 163-172 https://doi.org/10.1007/978-3-319-56934-5_12
[Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Influence of nonlinearity

Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 113-120 https://doi.org/10.1007/978-3-319-56934-5_8
[Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Interaction of deformation waves with internal structures in solids

Engelbrecht, Jüri; Berezovski, Arkadi; Peets, Tanel; Tamm, Kert Contributions to the Foundations of Multidisciplinary Research in Mechanics : papers presented during the 24th International Congress of Theoretical and Applied Mechanics ICTAM 2016, Montreal, August 22-26, 2016. Vol. 3 2017 / p. 2236-2237 : ill http://iutam.org/wp-content/uploads/2017/02/ICTAM_Proceedings_Vol_3.pdf

Interfaces in micromorphic materials : wave transmission and reflection with numerical simulations

Berezovski, Arkadi; Giorgio, Ivan; Della Corte, Alessandro Mathematics and mechanics of solids 2016 / p. 37-51 : ill
<https://doi.org/10.1177/1081286515572244> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Internal scales and dispersive properties of microstructured materials

Peets, Tanel Mathematics and computers in simulation 2016 / p. 220-228 : ill <https://doi.org/10.1016/j.matcom.2014.03.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Internal variables in thermoelasticity

Berezovski, Arkadi; Van, Peter 2017 <https://doi.org/10.1007/978-3-319-56934-5>

International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts

2009 http://www.ester.ee/record=b2520738*est

Inverse problems for microstructured materials

Janno, Jaan 4th International Conference Inverse Problems : Modelling and Simulation : Fethiye, 26-30.05.2008 : abstracts 2008 / p. 85

An inverse solitary wave problem related to microstructured materials

Janno, Jaan; Engelbrecht, Jüri Inverse problems 2005 / p. 2019-2034

Investigation of wave propagation and reflection in ducts with arbitrary environment using threemicrophone method
Lavrentjev, Jüri; Tiikoja, Heiki INTER-NOISE 2008 : 37th International Congress and Exposition on Noise Control Engineering : Shanghai, 26-29. October 2008 : proceedings. Vol 3 2009 / p. 1623-1629

Isotroopse plaadi Lambi lainete teoreetiline ja eksperimentaalne uurimine

Tiismus, Hans TTÜ üliõpilaste teadustööde konkursi kokkuvõtted : Tipika teaduskonverents, 24. november 2011, Tallinn 2011 / lk. 7

Lained tahkistes. Lainevõrrand. Materjalide sisestruktuur. Hierarhiline lainevõrrand

Engelbrecht, Jüri Keeruka maailma võlu 2015 / lk. 17-21 : ill https://www.ester.ee/record=b4488344*est

Lainelevi mikrostruktuuriga materjalides : Nikolai Alumäe [mälestus]loeng 12. septembril 2002 Küberneetika Majas
Engelbrecht, Jüri Tallinna Tehnikaülikooli aastaraamat 2002 2003 / lk. 266-269

Lainelevi modelleerimine tahkistes ja kompleksüsteemid

Engelbrecht, Jüri Teadusmõtte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 37-47 : ill., fot
https://www.ester.ee/record=b5208765*est

Longitudinal mode L(0,4) used for the determination of the deposit width on the wall of a pipe

Chati, Farid; Leon, Fernand; El Moussaoui, Mustapha; **Klauson, Aleksander**; Maze, Gerard NDT&E international 2011 / p. 188-194
: ill <https://doi.org/10.1016/j.ndteint.2010.12.001>

Mathematical model of echolocation of fish-catching bats

Stulov, Anatoli Wave motion 2013 / p. 579-585 : ill <https://doi.org/10.1016/j.wavemoti.2012.12.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mechanical waves in myelinated axons

Tamm, Kert; Peets, Tanel; Engelbrecht, Jüri Biomechanics and modeling in mechanobiology 2022 / p. 1285-1297
<https://doi.org/10.1007/s10237-022-01591-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructured materials : inverse problems

Janno, Jaan; Engelbrecht, Jüri 2011 https://www.ester.ee/record=b2720026*est

Mikrolaine- ja optiline tehnika : loengumaterjalid biomeditsiinitehnika ja meditsiinifüüsika magistriõppe üliõpilastele
2012 http://www.ester.ee/record=b2860846*est

Modeling and realizations of surface acoustic wave devices

Rupkus, Stasys; Neverauskas, Anatolijus; Janeliauskas, Arturas BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 451-454: ill

Modelling of two-dimensional elastic wave propagation with continuous cellular automata

Berezovski, Arkadi Proceedings of the Estonian Academy of Sciences. Engineering 1999 / p. 112-121
<https://doi.org/10.3176/eng.1999.2.02>

Nonlinear dispersive wave equations for microstructured solids

Berezovski, Arkadi Proceedings of the Estonian Academy of Sciences 2015 / p. 203-211 https://artiklid.elnet.ee/record=b2740520*est
<https://doi.org/10.3176/proc.2015.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear dynamics of internal gravity waves in shallow seas = Siselainete mittelineaarne dünaamika madala vee lähenduses

Kurkina, Oxana 2012

Nonlinear wave interaction for material characterization

Ravasoo, Arvi 4th EUROMECH : Solid Mechanics Conference, Metz, France, June 26-30, 2000 : book of abstracts II, general sessions 2000 / p. 706

Nonlinear wave phenomena and nonlocality

Engelbrecht, Jüri; Braun, Manfred Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1997 / 1/2, p. 41-47

Nonlinear waves and solitons in complex solids

Pastrone, Franco; **Engelbrecht, Jüri** Mathematics and mechanics of solids 2016 / p. 52-59 : ill
<https://doi.org/10.1177/1081286515572245> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear waves in continuous media

Engelbrecht, Jüri Encyclopedia of Continuum Mechanics 2020 https://doi.org/10.1007/978-3-662-55771-6_235

Numerical simulation of two-dimensional wave propagation in functionally graded materials

Berezovski, Arkadi; Engelbrecht, Jüri; Maugin, Gerard A. European journal of mechanics - A/Solids 2003 / p. 257-265 : ill <https://www.sciencedirect.com/science/article/pii/S0997753803000299>

Numerical simulation of wave propagation in heterogeneous and microstructured materials = Lainelevi numbriline simulatsioon heterogeensetes ja mikrostruktuuriga materjalides

Berezovski, Mihhail 2010 http://www.ester.ee/record=b2604922*est

Numerical simulation of waves and fronts in structured materials : a thermodynamic approach

Berezovski, Arkadi; Engelbrecht, Jüri; Maugin, Gerard Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 30-42 : ill https://artiklid.elnet.ee/record=b1011964*est

On computing of pulse propagation and reflection in 2d elastic waveguide

Berezovski, Arkadi Engineering mechanics 2019 : International Conference, May 13 – 16, 2019, Svratka, Czech Republic : book of full texts 2019 / p. 49–52 : ill https://www.engmech.cz/improc/2019/007_Berezovski_068.pdf

On mathematical modelling of solitary pulses in cylindrical biomembranes

Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Biomechanics and modeling in mechanobiology 2015 / p. 159-167 : ill <https://doi.org/10.1007/s10237-014-0596-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On mechanical aspects of nerve pulse propagation and the Boussinesq paradigm

Peets, Tanel; Tamm, Kert Proceedings of the Estonian Academy of Sciences 2015 / p. 331-337 : ill https://artiklid.elnet.ee/record=b2740556*est <https://doi.org/10.3176/proc.2015.3S.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On modelling of wave propagation in microstructured solids

Engelbrecht, Jüri; Berezovski, Arkadi Estonian journal of engineering 2013 / p. 171-182 https://artiklid.elnet.ee/record=b2632885*est <https://doi.org/10.3176/eng.2013.3.01> [Article at Scopus](#)

On modelling wave motion in microstructured solids

Randrüüt, Merle; Salupere, Andrus; Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2009 / 4, p. 241-246 : ill

On perturbative solutions for nonlinear waves in homogeneous materials

Ravasoo, Arvi Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 145-149

On solitonic solutions for the hyperelastic rod equation

Salupere, Andrus; Rätsep, Margus Wave motion 2019 / 8 p <https://doi.org/10.1016/j.wavemoti.2019.102404> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the degree of minimal equation for first-order wave equations

Loide, Rein-Karl Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1982 / lk. 434-436 https://www.ester.ee/record=b1264310*est

On the formation of solitons in media with higher-order dispersive effects

Ilison, Olari; Salupere, Andrus Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 135-144 : ill https://artiklid.elnet.ee/record=b1011948*est

On the influence of internal degrees of freedom on dispersion in microstructured solids

Tamm, Kert; Peets, Tanel Mechanics research communications 2013 / p. 106-111 : ill <https://doi.org/10.1016/j.mechrescom.2012.10.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the influence of material properties on the wave propagation in Mindlin-type microstructured solids

Salupere, Andrus; Tamm, Kert Wave motion 2013 / p. 1127-1139 : ill <https://doi.org/10.1016/j.wavemoti.2013.05.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the Mindlin microelasticity in one dimension

Berezovski, Arkadi Mechanics research communications 2016 / p. 60-64 : ill <https://doi.org/10.1016/j.mechrescom.2016.09.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the physical background of nerve pulse propagation : heat and energy

Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel Journal of non-equilibrium thermodynamics 2021 / p. 343-353 : ill <https://doi.org/10.1515/jnet-2021-0007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the propagation of solitary pulses in microstructured media

Ilison, Olari; Salupere, Andrus The Forth International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, Georgia, April 10-14, 2005 : book of abstracts 2005 / p. 150
<https://www.sciencedirect.com/science/article/abs/pii/S0960077905006491>

On the sound wave attenuation by spatiotemporally reconfigurable grating

Berezovski, Arkadi Waves in random and complex media 2025 / 13 p <https://doi.org/10.1080/17455030.2025.2567077>

On the stability of a microstructure model

Berezovski, Mihhail; Berezovski, Arkadi Computational materials science 2012 / p. 193-196 : ill
<https://www.sciencedirect.com/science/article/pii/S0927025611000516>

On wave propagation in laminates with two substructures

Berezovski, Mihhail; Berezovski, Arkadi; Soomere, Tarmo; Viikmäe, Bert Estonian journal of engineering 2010 / 3, lk. 228-242 : ill

One-dimensional microelasticity

Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 99-111 https://doi.org/10.1007/978-3-319-56934-5_7
[Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Pattern formation of elastic waves and energy localization due to elastic gratings

Berezovski, Arkadi; Engelbrecht, Jüri; Berezovski, Mihhail International journal of mechanical sciences 2015 / p. 137-144 : ill
<https://doi.org/10.1016/j.ijmecsci.2015.07.027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Periodic waves in microstructured solids and inverse problems

Sertakov, Ivan; Janno, Jaan Mathematical modelling and analysis 2012 / p. 599-617
https://www.researchgate.net/publication/261695332_Periodic_Waves_in_Microstructured_Solids_and_Inverse_Problems

Physical parameters for a class of high-spin wave equations

Kõiv, Madis; Loide, Rein-Karl; Saar, Rein Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1982 / lk. 300-303 https://www.ester.ee/record=b1264310*est

Questions about elastic waves

Engelbrecht, Jüri 2015 https://www.ester.ee/record=b4467528*est

Scaling and hierarchies of wave motion in solids

Engelbrecht, Jüri; Salupere, Andrus ZAMM : Journal of Applied Mathematics and Mechanics / Zeitschrift für Angewandte Mathematik und Mechanik 2014 / p. 775-783 <https://doi.org/10.1002/zamm.201300042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Scattering by curvatures, radiationless sources, transmission eigenfunctions, and inverse scattering problems

Blasten, Emilia; Liu, Hongyu SIAM Journal on Mathematical Analysis 2021 / p. 3801-3837 <https://doi.org/10.1137/20M1384002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Scattering of the fundamental shear horizontal mode in a plate when incident at a through-crack aligned in the propagation direction of the mode

Ratassepp, Madis; Lowe, Michael John Stewart; Cawley, P.; Klauson, Aleksander Journal of Acoustical Society of America 2008 / 5, p. 2873-2882 <https://pubmed.ncbi.nlm.nih.gov/19045775/>

Shock wave propagation in nonlinear microstructured wool felt

Stulov, Anatoli; Erofeev, Vladimir Proceedings of the Estonian Academy of Sciences 2015 / p. 361-367 : ill
https://artiklid.elnet.ee/record=b2740570*est <https://doi.org/10.3176/proc.2015.3S.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulation of solitary wave propagation in carbon fibre reinforced polymer

Lints, Martin; Salupere, Andrus; Dos Santos, Serge Proceedings of the Estonian Academy of Sciences 2015 / p. 297-303 : ill
<https://doi.org/10.3176/proc.2015.3.14> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulation of two-dimensional thermoelastic wave propagation in inhomogeneous media

Berezovski, Arkadi; Maugin, Gerard A. 4th EUROMECH : Solid Mechanics Conference, Metz, France, June 26-30, 2000 : book of abstracts II, general sessions 2000 / p. 715

Single slit diffraction : from optics to elasticity

Berezovski, Arkadi; Engelbrecht, Jüri Wave motion 2016 / p. 35-45 : ill <https://doi.org/10.1016/j.wavemoti.2015.09.002> [Journal metrics](#)

[at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solitary waves for Non-Destructive Testing applications : delayed nonlinear time reversal signal processing optimization

Lints, Martin; Dos Santos, Serge; **Salupere, Andrus** Wave motion 2017 / p. 101-112 : ill

<https://doi.org/10.1016/j.wavemoti.2016.07.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solitary waves in dispersive solids

Engelbrecht, Jüri; **Salupere, Andrus**; **Peterson, Pearu**; Maugin, Gerard A. 3rd EUROMECH Solid Mechanics Conference, Stockholm, Sweden, August 18-22, 1997 : book of abstracts 1997 / IV : W6 ; p. 336

Soliton structures in KdV-based higher-order systems

Salupere, Andrus; **Engelbrecht, Jüri**; Maugin, Gerard Wave motion 2001 / p. 51-61

<https://www.sciencedirect.com/science/article/pii/S0165212501000695>

Solitons and solitary waves in hierarchical Korteweg-de Vries type systems = Solitonid ja üksiklained hierarhilistes Kortewegi-de Vriesi tüüpi süsteemides

Ilison, Lauri 2009 https://www.ester.ee/record=b2499322*est

Solitons and solitary waves in media with higher order dispersive and nonlinear effects

Ilison, Olari 2005 https://www.ester.ee/record=b2073549*est

Solitons in hierarchical Korteweg-de Vries type systems

Ilison, Lauri; **Salupere, Andrus** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 125-134 : ill

https://artiklid.elnet.ee/record=b1011947*est

Stress and solitary waves in solids

Engelbrecht, Jüri; Ravasoo, Arvi; **Salupere, Andrus** Proceedings of the Fourth Conference of the European Association for Structural Dynamics - EURO DYN '99 : Prague, Czech Republic, 7-10 June 1999 1999 / p. 23-30

Thermoelastic waves in microstructured solids

Berezovski, Arkadi; Berezovski, Mihhail Continuous media with microstructure 2 2016 / p. 137-150 https://doi.org/10.1007/978-3-319-28241-1_9

Towards a description of twist waves in liquid crystals using mesoscopic continuum physics

Herrmann, Heiko International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 18

Travelling water waves along a quartic bottom profile

Didenkulova, Irina; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 166-171 : ill

Travelling waves in forced Korteweg-de Vries systems

Peterson, Pearu Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 315-317

Turbulent mixing of passive scalars : evolution of discontinuity fronts and material lines

Kalda, Jaan International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 20

Wave equations in mechanics

Engelbrecht, Jüri Estonian journal of engineering 2013 / p. 273-282 <https://doi.org/10.3176/eng.2013.4.02> [Article at Scopus](#)

Wave hierarchy in microstructured solids

Engelbrecht, Jüri; Pastrone, Franco; Cermelli, P. Geometry, mechanics, micro-structure 1999 / p. 99-111

Wave interaction in weakly inhomogeneous materials

Braunbrück, Andres 2005 http://www.ester.ee/record=b2045300*est

Wave propagation and interaction in Mindlin-type microstructured solids: numerical simulation = Lainelevi ja interaktsiooni numbriline modelleerimine Mindlini tüüpi mikrostruktuursetes tahkistes

Tamm, Kert 2011 https://www.ester.ee/record=b2679197*est

Wave propagation in dissipative microstructured materials

Sillat, Tarvo; **Engelbrecht, Jüri** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 103-114 : ill

Wave propagation in functionally graded materials

Berezovski, Arkadi; **Engelbrecht, Jüri**; Maugin, Gerard 21st International Congress of Theoretical and Applied Mechanics : August 15-21, 2004, Warsaw, Poland : ICTAM04 : abstracts and CD-ROM proceedings 2004 / p. 266

Wave propagation in microstructured solids: solitary and periodic waves = Lainelevi mikrostruktuursetes tahkistes: üksik- ja perioodilised lained

Randrüüt, Merle 2010 https://www.ester.ee/record=b2632234*est <https://digikogu.taltech.ee/et/Item/9683b675-5146-455d-bc36-179d856a5628>

Wave propagation through nonlinear viscoelastic felt

Vuin, Maria Miranda; Kartofelev, Dmitri; Salupere, Andrus Waves 2024 : book of abstracts 2024 / p. 281-282

<https://doi.org/10.17617/3.MBE4AA>

Wave scattering at discontinuities in plates and pipes = Lainete interaktsioon defektidega plaatides ja torudes

Ratassepp, Madis; Klauson, Aleksander; Lowe, Michael John Stewart 2010 https://www.ester.ee/record=b2561121*est

Waves in inhomogeneous solids

Berezovski, Arkadi; Berezovski, Mihhail; Engelbrecht, Jüri Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 55-81 : ill https://link.springer.com/chapter/10.1007/978-3-642-00585-5_5

Waves in materials with microstructure : numerical simulation

Berezovski, Mihhail; Berezovski, Arkadi; Engelbrecht, Jüri International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 9

Waves in microstructured solids : inverse problems

Janno, Jaan; Engelbrecht, Jüri Wave motion 2005 / p. 1-11

Waves in microstructured solids and negative group velocity

Peets, Tanel; Kartofelev, Dmitri; Tamm, Kert; Engelbrecht, Jüri EPL: a letters journal exploring the frontiers of physics 2013 / p.

16001-p1-p6 : ill <https://doi.org/10.1209/0295-5075/103/16001> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Waves in microstructured solids with nonlinearities in microscale

Engelbrecht, Jüri; Pastrone, Franco Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 12-20

Waves in solids : overview

Berezovski, Arkadi Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 9-11

Waves on a string of a monochord equipped with a rigid obstacle

Kartofelev, Dmitri Waves 2024 : book of abstracts 2024 / p. 253-254 <https://doi.org/10.17617/3.MBE4AA>

Üksiklainete formeerumisest

Engelbrecht, Jüri; Peipman, Tõnu Tehnikauuringute areng Eesti NSV-s : vabariikliku konverentsi ettekannete teesid Tallinn, 15.-16. oktoober 1986 1986 / lk. 174-176 https://www.ester.ee/record=b1258828*est

Анализ акустических полей, рассеянных упругими цилиндрами : автореферат ... кандидата физико-математических наук (01.02.04)

Korsunski, Viktor 1987 http://www.ester.ee/record=b1241063*est

Анализ акустических полей, рассеянных упругими цилиндрами : диссертация ... кандидата физико-математических наук : 01.02.04 - механика деформируемого твердого тела

Korsunski, Viktor 1986 http://www.ester.ee/record=b2456937*est

Безотражательное распространение волн в сильно неоднородных средах

Pelinovsky, Efim; Shurgalina, Ekaterina; Didenkulova, Irina Неравновесные процессы в сплошных средах : материалы международного симпозиума. Том 2 2017 / с. 131-135

Всесоюзный симпозиум взаимодействие акустических волн с упругими телами : (Таллинн, 26-27 октября 1989 г.) : краткие тексты докладов

1989 https://www.ester.ee/record=b1296539*est

Вычисление эхо-сигнала от цилиндрической оболочки произвольного поперечного сечения

Metsaveer, Jaan Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1977 / lk. 173-177

https://www.ester.ee/record=b1264310*est

Дифракция акустических импульсов на упругих телах

Metsaveer, Jaan; Veksler, Naum; Stulov, Anatoli 1979 https://www.ester.ee/record=b1519387*est

Исследование распространения волн в упругой цилиндрической оболочке на базе геометрически нелинейной

теории типа Тимошенко

Poverus, Lembit Переходные процессы деформации оболочек и пластин : материалы Всесоюзного симпозиума по переходным процессам деформации оболочек и пластин : Тарту, с 28 июня по 3 июля 1967 г. 1967 / с. 169
https://www.ester.ee/record=b1411282*est

Исследование распространения упругих волн в сферической оболочке

Poverus, Lembit; Männik, A. Труды IX Всесоюзной конференции по теории оболочек и пластин, 24-28 декабря 1973 г. 1975 / с. 212-215

Исследование распространения упругих волн в угловых соединениях балок и складчатых конструкциях методом конечных элементов

Käerdi, Helmo; Poverus, Lembit Труды по строительной механике : сборник статей. 5 1974 / с. 49-55 : илл
https://www.ester.ee/record=b2190653*est <https://digikogu.taltech.ee/et/Item/66202bf2-fa56-47cc-8d36-17e663cd263d>

Исследование распространения упругих волн деформации в цилиндрической оболочке вариационным методом

Poverus, Lembit Труды по строительной механике : сборник статей. 3 1970 / с. 57-65 https://www.ester.ee/record=b2189980*est
<https://digikogu.taltech.ee/et/Item/cb50984d-414d-4d6b-bd3f-9e9456870054>

Исследование распространения цилиндрических и сферических упругих и термоупругих волн в слоистых средах методом конечных элементов

Käerdi, Helmo; Poverus, Lembit Труды симпозиума "Нелинейные и тепловые эффекты при переходных волновых процессах": [20-24 ноября 1973 г. Таллин]. Т. 2 1973 / с. 127-134 : ил https://www.ester.ee/record=b1581419*est

Исследование упругих волн в складчатых конструкциях

Käerdi, Helmo; Poverus, Lembit Труды X Всесоюзной конференции по теории оболочек и пластин: Кутаиси, 22-29 сентября 1975 г. : [в 2 т.], т. 2 1975 / с. 255-259 https://www.ester.ee/record=b3798375*est

К постановке обратной задачи о собственных колебаниях в общей теории упругих оболочек

Ainola, Leo Теория оболочек и пластин : [труды VIII Всесоюзной конференции по теории оболочек и пластин, Ростов-на-Дону, 1971] 1973 / с. 366-370 https://www.ester.ee/record=b2749835*est

Крупные волны при двухфазном противоточном пленочном течении

Treimann, Aksel; Siirde, Enno Процессы и аппараты химической технологии и технология неорганических веществ. 5 1974 / с. 3-11 : илл https://www.ester.ee/record=b1531723*est <https://digikogu.taltech.ee/et/Item/438b60cb-3265-444e-adba-b3c2c222f12a>

Метод конечных элементов для исследования переходных волновых процессов

Käerdi, Helmo; Poverus, Lembit Труды по строительной механике : сборник статей. 5 1974 / с. 33-48 : илл
https://www.ester.ee/record=b2190653*est <https://digikogu.taltech.ee/et/Item/66202bf2-fa56-47cc-8d36-17e663cd263d>

Нелинейные волновые процессы в среде с дисперсией : автореферат ... кандидата физико-математических наук (01.02.04)

Peipman, Tõnu 1984 http://www.ester.ee/record=b1235307*est

Нелинейные волновые процессы в среде с дисперсией : диссертация ... кандидата физико-математических наук : 01.02.04 - механика твердого деформируемого тела

Peipman, Tõnu 1984 http://www.ester.ee/record=b2425591*est

О динамических моделях вязкоупругих сред

Metsaveer, Jaan Доклады Академии наук СССР. Новая серия 1981 / с. 564-566 https://www.ester.ee/record=b1490268*est

О динамических моделях однородных сред

Metsaveer, Jaan Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1982 / lk. 74-78
https://www.ester.ee/record=b1264310*est

О применении теории оболочек в задачах рассеяния акустических волн от сферических оболочек в жидкой среде

Metsaveer, Jaan Труды VII Всесоюзной конференции по теории оболочек и пластинок, Днепропетровск, 1969 1970 / с. 421-424 : ил https://www.ester.ee/record=b2874701*est

О рассеянии акустических волн от упругих сферических оболочек : автореферат ... кандидата технических наук (023)

Metsaveer, Jaan 1970 https://www.ester.ee/record=b1380792*est

О рассеянии акустических волн от упругих сферических оболочек : диссертация на соискание ученой степени кандидата технических наук

Metsaveer, Jaan 1970 https://www.ester.ee/record=b3036970*est

Распространение ударной волны в круглой плите

Roots, Otto Труды по строительной механике : сборник статей. 3 1970 / с. 67-70 : илл https://www.ester.ee/record=b2189980*est
<https://digikogu.taltech.ee/et/Item/cb50984d-414d-4d6b-bd3f-9e9456870054>

Распространение упругих волн в слоистых пластинах

Käerdi, Helmo; Poverus, Lembit Пятый Всесоюзный съезд по теоретической и прикладной механике, Алма-Ата, 27 мая - 3 июня 1981 года : аннотации докладов 1981 / с. [?] https://www.ester.ee/record=b2682342*est

Распространение упругих волн в слоистых пластинах

Poverus, Lembit; Käerdi, Helmo; Männil, Aino Одиннадцатая Всесоюзная конференция по теории оболочек и пластин, Харьков, 27 сентября - 1 октября 1977 г. : тезисы докладов 1977 / с. 34 https://www.ester.ee/record=b3798376*est

Распространение упругих волн в толстостенной сферической оболочке

Räämet, Raimund Труды по строительной механике : сборник статей. 6 1975 / с. 33-45 : илл
https://www.ester.ee/record=b2190691*est <https://digikogu.taltech.ee/et/Item/817f11ea-2ed6-451f-8d77-f8d3240eb64f>

Распространение упругих волн в трансверсально-изотропной и изотропной толстой пластине

Poverus, Lembit; Räämet, Raimund Распространение упругих и упругопластических волн : (материалы V Всесоюзного симпозиума) 1973 / с. 282-288 : илл https://www.ester.ee/record=b2871643*est

Распространение упругих волн в трансверсально-изотропной толстой пластине

Poverus, Lembit; Räämet, Raimund Строительные конструкции и строительная физика : сборник статей. 10 1970 / с. 95-103 : илл https://www.ester.ee/record=b2189979*est <https://digikogu.taltech.ee/et/Item/61a80292-0587-462a-b7a6-0a942f3a8038/>

Упругие волны в складчатых конструкциях

Käerdi, Helmo; Poverus, Lembit Труды по строительной механике : сборник статей. 5 1974 / с. 57-69 : илл
https://www.ester.ee/record=b2190653*est <https://digikogu.taltech.ee/et/Item/66202bf2-fa56-47cc-8d36-17e663cd263d>

Численный анализ нелинейных продольных и поперечных волн псевдоспектральным методом

Peipman, Tõnu; Valdek, Urmas НЕЛИНЕЙНАЯ сейсмология = Nonlinear seismology : Тезисы докладов : Международного симпозиума, Суздаль, 31 окт. - 6 ноябр. 1986 1986 / с. [?]

Эталонные эволюционные уравнения для решения нелинейных волноводных задач

Engelbrecht, Jüri; Peipman, Tõnu; Feldman, M. Проблемы нелинейной акустодиагностики = Contributions to nonlinear acoustodiagnostics : [сборник статей] 1986 / с. 75-81 https://www.ester.ee/record=b1244874*est