

Advances in nonlinear wave research for hazard warning and mitigation

Didenkulova, Irina; Grimshaw, Roger; Slunyaev, Alexey; Tinti, Stefano Natural hazards 2016 / p. S431-S436
<https://doi.org/10.1007/s11069-016-2633-1>

Analytical solutions and numerical modeling for a dam-break problem in inclined channels

Pelinovsky, Efim; **Didenkulova, Irina**; Didenkulov, Oleg; Rodin, Artem Geophysical research abstracts 2016 / p. EGU2016-7153

Approximate methods for unstable nonlinear optimization problems [Electronic resource]

Vaarmann, Otu Internationales Kolloquium über Anwendungen der Informatik und der Mathematik in Architektur und Bauwesen : Promise and reality : gemeinsam mit eCAADe 2000 : 22. bis 24. Juni 2000, Weimar 2000 / [6] p. [CD-ROM]

Complexity in engineering and natural sciences

Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2015 / p. 249-255

Depression waves generated by large ships in the Venice Lagoon

Parnell, Kevin Ellis; Zaggia, Luca; **Soomere, Tarmo**; Lorenzetti, Giuliano; Scarpa, Gian Marco Journal of coastal research 2016 / p. 907-911 : ill <http://dx.doi.org/10.2112/SI75-182.1>

Deviation extension problems and nonlinear effects in the phase locked loop frequency demodulators

Min, Mart; **Männama, Vello**; **Paavle, Toivo** Proceedings of the Estonian Academy of Sciences. Engineering 2000 / 2, p. 120-134 : ill https://artiklid.elnet.ee/record=b1004042*est

Elu võimalikkus mittelineaarses ja mittetasakaalulises juhumuutlikus maailmas

Kalda, Jaan; Mankin, Romi; Tammelo, Risto Teadusmõte Eestis : täppisteadused : [artiklikogumik] 2006 / lk. 53-62 : ill https://www.ester.ee/record=b2230239*est

Euromech 436, ehk, Nonlinear waves in microstructured solids : [Euroopa Mehaanikaühingu kollokviumist : TTÜ Küberneetika Instituudi korraldusel : 1. juunil, Tallinnas]

Kutser, Mati Mente et Manu 2002 / 18. juuni, lk. 4 https://www.ester.ee/record=b1242496*est

Focusing aspects of delayed time reversal based nonlinear elastic wave spectroscopy methods

Lints, Martin; Dos Santos, Serge; **Salupere, Andrus** 2016 IEEE International Ultrasonics Symposium, IUS : [September 18-21, Tours, France] 2016 / [4] p. : ill <https://doi.org/10.1109/ULTSYM.2016.7728831>

Foreword

Salupere, Andrus; Maugin, Gerard A. Proceedings of the Estonian Academy of Sciences 2015 / p. 201-202 ; Vol. 64, 3S, p. 323-324

Generation of zonal transport by weakly nonlinear Rossby waves

Soomere, Tarmo; **Koppel, Tiit** XXVIII IAH Congress : 22-27 August, Graz : proceedings [CD-ROM] 1999 / [7] p

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

Intermittency and long-range structurization of heart rate = Südamerütmni pikamastaabiline kord ja juhumuutlikkus

Säkki, Maksim 2005 https://www.ester.ee/record=b2097469*est

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

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

Jüri Engelbrecht: haritlase asi on maailm tükkidest kokku panna : [intervjuu J.Engelbrechtiga]

Kändler, Tiit; **Engelbrecht, Jüri** Eesti Päevaleht 2006 / 29. juuli, lk. 3 : fot <https://epl.delfi.ee/artikkel/51045670/tiit-kandler-juri-engelbrecht-haritlaste-asi-on-maailm-tukkidest-kokku-panna>

Kaose juured peituvad korras : moodne maailmapilt arvestab mittelineaarsusega

Engelbrecht, Jüri Eesti Päevaleht 1997 / 19. mai, lk. 6

Keeruka maailma ilu : [TTÜ Küberneetika Instituudi mittelineaarsete protsesside analüüsi keskusest]

2006 https://www.ester.ee/record=b2198215*est

Keeruka maailma võlu

2015

Komplekssüsteemid meis ja meie ümber

Engelbrecht, Jüri Horisont 2014 / lk. 28-36 : ill

Measurement based approach for residential customer stochastic current harmonic modelling = Mõõtmispõhine lähenemine olmetarbijate vooluharmoonikute juhusliku esinemise modelleerimiseks

Iqbal, Muhammad Naveed 2021 https://www.ester.ee/record=b5454042*est <https://digikogu.taltech.ee/et/item/cc2248c5-5530-44fb-8150-51de0e7832ad> <https://doi.org/10.23658/taltech.43/2021>

Mereteadus ja mittelineaarsus said kokku : [Hageris toimus 12.-18. okt. rahvusvaheline doktorikool "Mittelineaarsed protsessid mereteaduses" : korraldasid TTÜ Meresüsteemide Instituut ja TTÜ Küberneetika Instituut]

Kutser, Mati Mente et Manu 2003 / 19. nov., lk. 2 https://www.ester.ee/record=b1242496*est

Methods for classifying depression in single channel EEG using linear and nonlinear signal analysis

Bachmann, Maie; Päeske, Laura; Kalev, Kaia; Aarma, Katrin; Lehtmets, Andres; Ööpik, Pille; Lass, Jaanus; Hinrikus, Hiie

Computer methods and programs in biomedicine 2018 / p. 11-17 : ill <https://doi.org/10.1016/j.cmpb.2017.11.023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mittelineaarne dünaamika ja kaos

Engelbrecht, Jüri; Uus, Anu; Miider, Veiko 1993 https://www.ester.ee/record=b1063828*est

Mittelineaarne dünaamika ja komplekssüsteemid : teaduslik ettekanne [Eesti TA üldkogu koosolekul 15. apr. 2015]

Engelbrecht, Jüri Eesti Teaduste Akadeemia aastaraamat = Annales academiae scientiarum Estonicae 2015 2016 / lk. 80-86

Mittelineaarsus ümbritseb meid kõikjal : [sisaldab ka: 4 küsimust akadeemikule : lineaarsusest ja mittelineaarsusest : vastab akadeemik Jüri Engelbrecht]

Engelbrecht, Jüri; Maidla, Margus KesKus 2013 / lk. 41 : ill <http://kes-kus.ee/4-kusimust-akadeemikule/>

Modelling 2D wave motion in microstructured solids

Sertakov, Ivan; Engelbrecht, Jüri; Janno, Jaan Mechanics research communications 2014 / p. 42-49 : ill

Modified constitutive equation for quasi-linear theory of viscoelasticity

Ravasoo, Arvi Journal of engineering mathematics 2013 / p. 111-118

Multi-soliton interactions and the inverse problem of wave crests

Peterson, Pearu 2001 https://www.ester.ee/record=b1556262*est

Nonlinear chirp pulse excitation for the fast impedance spectroscopy

Ojarand, Jaan; Annus, Paul; Land, Raul; Parve, Toomas; Min, Mart Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 4, p. 73-76 : ill

Nonlinear counter-propagating waves in inhomogeneous materials

Ravasoo, Arvi International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 31

Nonlinear dynamics in modeling cardiac arrhythmias

Kongas, Olav 1998 http://www.ester.ee/record=b1060516*est

Nonlinear oscillations in modelling of heart dynamics

Kongas, Olav 1993 http://www.ester.ee/record=b2090083*est

Nonlinear wave motion and complexity

Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 66-71

Nonlinear wave propagation and reflection - comparing the numerics with the analytics

Braunbrück, Andres; Ravasoo, Arvi Wave motion 2016 / p. 108-120 : ill <http://dx.doi.org/10.1016/j.wavemoti.2015.08.006>

Nonlinear waves : examples of complexity

Engelbrecht, Jüri International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 15

Nonlinear waves in microstructured materials

Engelbrecht, Jüri; Salupere, Andrus; Sillat, Tarvo International Workshop on Nonlinear Waves in Solids : June 8-11, 2000, City University of Hong Kong 2000 / p. 6

Nonlinear waves in solids

Engelbrecht, Jüri; Berezovski, Arkadi; Salupere, Andrus Proceedings of International Symposium on Mechanical Waves in Solids : Zehejiang University, Hangzhou, China, May 15-18, 2006 2006 / p. 16-17

Nonlinear waves in solids and inverse problems

Engelbrecht, Jüri; Ravasoo, Arvi; **Salupere, Andrus** Abstract Book, IUTAM Symposium on Computational Mechanics of Solid Materials at Large Strains : August 20-24, 2001, Stuttgart, Germany 2001 / p. ?

Normaalne maailm ongi mittelineaarne

Engelbrecht, Jüri Õpetajate Leht 2012 / lk. 10 <https://novaator.err.ee/246858/normaalne-maailm-ongi-mittelineaarne>

On high order iterative methods for nonlinear problems

Vaarmann, Otu 1996 https://www.ester.ee/record=b1071369*est

On high order iterative methods for non-linear problems

Vaarmann, Otu Nonlinear mathematical analysis and applications 1998 / p. 275-299

On periodic waves governed by the extended Korteweg-deVries equation

Braun, Manfred; **Randrüüt, Merle** International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 10

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 solutions of a Boussinesq-type equation with displacement-dependent nonlinearity: A soliton doublet to the memory of Alexander Samsonov

Peets, Tanel; **Tamm, Kert**; **Simson, Päivo**; **Engelbrecht, Jüri** Wave motion 2019 / p. 10-17

<https://doi.org/10.1016/j.wavemoti.2018.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On solving nonlinear least squares problems

Vaarmann, Otu 53rd Meeting of the European Working Group : Multicriteria Aid for Decisions : Athens, March 29-30 : abstracts 2001 / p. 30

On solving nonlinear least squares problems

Vaarmann, Otu Proceedings of the 53rd Meeting of the European Working Group : Multicriteria Aid for Decisions : Athens, March 29-30 2001 / [7] p

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

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

On the propagation of 1D solitary waves in Mindlin-type microstructured solids

Tamm, Kert; **Salupere, Andrus** Mathematics and computers in simulation 2012 / p. 1308-1320 : ill

<https://www.sciencedirect.com/science/article/pii/S0378475410002260>

On the solution of nonlinear optimization problems of high dimension

Vaarmann, Otu IKM : Internationales Kolloquium über Anwendungen der Informatik und Mathematik in Architektur und Bauwesen : 10.-12. Juni 2003, Bauhaus-Universität Weimar 2003 / p. 73 https://e-pub.uni-weimar.de/opus4/frontdoor/deliver/index/docId/366/file/M_21_pdfa.pdf

On the solution of nonlinear optimization problems of high dimension [Electronic resource]

Vaarmann, Otu IKM 2003 : proceedings 16th International Conference on the Applications of Computer Science and Mathematics in Architecture and Civil Engineering : digital proceedings 2003 / [6] p https://e-pub.uni-weimar.de/opus4/frontdoor/deliver/index/docId/366/file/M_21_pdfa.pdf

Optimised signal processing for nonlinear ultrasonic nondestructive testing of complex materials and biological tissues = Optimeeritud signaalitöötlus mittelineaarsete komplekssete materjalide ja bioloogiliste kudede mittepurustavaks testimiseks ultraheliga = Traitement du signal optimisé pour l'évaluation non linéaire non destructive des matériaux complexes et des tissus biologiques

Lints, Martin 2017 <https://digi.lib.ttu.ee/i/?8437>

Ordered definitions in the theory of nonlinear waves

Engelbrecht, Jüri Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1990 / 3, lk. 252-257: ill

Rahvusvaheline konverents Complexity of Nonlinear Waves

Kutser, Mati Mente et Manu 2009 / lk. 2 https://www.ester.ee/record=b1242496*est

Runup of nonlinear waves of different shapes on a plane beach including effects of dispersion and wave breaking =
Laine dispersiooni ja murdumise mõju mittelineaarsete lainete uhtekõrgusele erineva kujuga laugetel randadel

Abdalazeez, Ahmed 2020 https://www.ester.ee/record=b5383220*est <https://digikogu.taltech.ee/et/Item/f270a84e-32a3-4b08-9717-4de9e57b59d1>

Shock wave propagation in nonlinear microstructured wool felt

Stulov, Anatoli; Erofeev, Vladimir Proceedings of the Estonian Academy of Sciences 2015 / p. 361-367 : ill

Simulation of detecting contact nonlinearity in carbon fibre polymer using ultrasonic nonlinear delayed time reversal

Lints, Martin; Salupere, Andrus; Dos Santos, Serge ACTA acustica united with acustica 2017 / p. 978-986 : ill

<https://doi.org/10.3813/AAA.919127>

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

Sirgjoont ei tohi ülehinnata : [maailma teadlaste ühendusest CENS ja CENS-i kuuluvate TTÜ teadlaste teadustegevusest räägib ka Jüri Engelbrecht]

Kändler, Tiit; Engelbrecht, Jüri Eesti Päevaleht 2007 / 2. veebr., lk. 24 <https://epl.delfi.ee/artikkel/51073935/sirgjoont-ei-tohi-ulehinnata>

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

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

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

Some methods for solving nonlinear ill-posed problems

Vaarmann, Otu Approximation methods and orthogonal expansions : abstracts of the International Conference on Approximation Methods and Orthogonal Expansions : Kääriku, Estonia, May 29-31, 1998 : dedicated to the 60th birthday of Professor Gennadi Vainikko 1998 / p. 34

Testing for long memory in the presence of non-linear deterministic trends with Chebyshev polynomials

Cuestas, Juan Carlos; Gil-Alana, Luis Alberiko Studies in nonlinear dynamics & econometrics 2016 / p. 57-74 : ill

<https://doi.org/10.1515/snde-2014-0005>

Universal tool for solving different control problems

Kotta, Ülle 5th Junior European Meeting on Control & Information Technology : September 20-22, 2006, Tallinn, Estonia : book of abstracts 2006 / p. 1

Wave equations in mechanics

Engelbrecht, Jüri Estonian journal of engineering 2013 / p. 273-282

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

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

Нелинейные волновые процессы деформации в твердой среде

Engelbrecht, Jüri Механика твердого деформируемого тела = Tahke deformeeruva keha mehhaanika 1984 / с. 29-35

https://www.ester.ee/record=b1230083*est

Нелинейные колебания прямоугольных пластин с жестким защемлением по контуру

Metsaveer, Jaan Труды по строительной механике : сборник статей. 2 1967 / с. 127-139 : илл

https://www.ester.ee/record=b2182184*est <https://etera.ee/zoom/120512/view>

О дисперсии нелинейных волн деформации

Engelbrecht, Jüri Пятый Всесоюзный съезд по теоретической и прикладной механике, Алма-Ата, 27 мая - 3 июня 1981 года : аннотации докладов 1981 / с. 365 https://www.ester.ee/record=b2682342*est

О нелинейном волновом процессе в тонкой пластинке

Lahe, Andres; Engelbrecht, Jüri Одиннадцатая Всесоюзная конференция по теории оболочек и пластин, Харьков, 27 сентября - 1 октября 1977 г. : тезисы докладов 1977 / с. 68 https://www.ester.ee/record=b3798376*est

Оптимальный синтез нелинейных систем уменьшения разброса с кусочно-костянными компенсирующими воздействиями

Saks, Eva; Kiitam, Andres Динамика нелинейных процессов управления, Всесоюзный семинар, Таллин, сентябрь 1987 : тезисы докладов 1987 / с. 128 https://www.ester.ee/record=b2599914*est

Приближение сигнала кубическим сплайном и расчет коэффициента нелинейных искажений

Ross, T.; Kukk, Vello XXXII студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 19-21 апреля 1988 г. : тезисы докладов : [в 3-х частях], ч. 1 1988 / с. 82 https://www.ester.ee/record=b1571601*est

Приближения оптимизация алгоритмов компенсационного управления для многостадийных технологических процессов. II

Kiitam, Andres Автоматика и телемеханика 1981 / с. 177-182 https://www.ester.ee/record=b1515055*est

Приближенная оптимизация алгоритмов компенсационного управления для многостадийных технологических процессов. I

Kiitam, Andres Автоматика и телемеханика 1981 / с. 172-178 https://www.ester.ee/record=b1515055*est

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