

Analytical theory of nonlinear long wave runup on a coast

Didenkulova, Irina BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 132

Approximate Gauss-Newton methods for the nonlinear least squares problem

Vaarmann, Otu The Third World Congress of Nonlinear Analysts : July 19-26, 2000, Catania, Italy 2000 / [1] p

A constitutive function for the heat flux in short-fiber-reinforced composites

Herrmann, Heiko Journal of non-equilibrium thermodynamics 2015 / p. 257-263 <https://doi.org/10.1515/jnet-2015-0005> [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; Šelkan, A. International Conference : FM&NT : Functional Materials and Nanotechnologies 2011 : University of Latvia, April 5-8 : conference program. Book of abstracts 2011 / p. 173

Discrete breathers above phonon spectrum

Hižnjakov, Vladimir; Haas, Mati; Klopov, Mihhail; Šelkan, Aleksander Letters on Materials 2016 / p. 61-72
<https://doi.org/10.22226/2410-3535-2016-1-61-72> [Journal metrics at Scopus](#) [Article at Scopus](#)

Dynamic of a planing hull in regular waves: Comparison of experimental, numerical and mathematical methods

Tavakoli, Sasan; Niazmand Bilandi, Rasul; Mancini, Simone; De Luca, Fabio; Dashtimanesh, Abbas Ocean engineering 2020 / art. 107959, 24 p. : ill <https://doi.org/10.1016/j.oceaneng.2020.107959> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamics of solitons in a nonintegrable version of the modified Korteweg-de Vries equation

Kurkina, Oxana; Kurkin, Andrey; Ruvinskaja, E. A.; Pelinovsky, Efim; Soomere, Tarmo JETP letters 2012 / p. 91-95 : ill
<https://link.springer.com/article/10.1134/S0021364012020051>

Highlights in the research into complexity of nonlinear waves

Engelbrecht, Jüri; Berezovski, Arkadi; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2010 / p. 61-65
<https://doi.org/10.3176/proc.2010.2.01>

Kaoseraamat : [õpik]

Lepik, Ülo; Engelbrecht, Jüri 1999 https://www.ester.ee/record=b1268229*est

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

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

Keeruka maailma võlu

2015 https://www.ester.ee/record=b4488344*est

Laboratory study of peculiarities of the freak-wave generation

Rodin, Artem; Tyugin, Dmitry; Kurkin, Andrey; Kurkina, Oxana; Didenkulova, Irina Geophysical research abstracts 2017 / p. EGU2017-1845-3

Mittelineaarne dünaamika

Engelbrecht, Jüri Mehaanika meil ja mujal 1992 / lk. 75-85: ill

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

Modeling of self-localized vibrations and defect formation in solids

Hižnjakov, Vladimir; Haas, Mati; Pishtshev, Aleksandr; Šelkan, Aleksander; Klopov, Mihhail Nuclear instruments and methods in physics research section B-beam interactions with materials and ato 2013 / p. 91-94 : ill <https://doi.org/10.1016/j.nimb.2013.01.055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of heart rhythms by methods of nonlinear dynamics

Kongas, Olav XV-th Congress of the International Society of Biomechanics, July 2-6, 1995, Jyväskylä, Finland : book of abstracts 1995 / p. 496-497

Nonlinear deformation and run-up of elongated solitary waves: numerical simulations and analytical predictions

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys Geophysical research abstracts 2019 / p. EGU2019-10473
<https://meetingorganizer.copernicus.org/EGU2019/EGU2019-10473.pdf>

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 dynamics of internal gravity waves in shallow seas = Siselainete mittelineaarne dünaamika madala vee lähenduses
Kurkina, Oxana 2012

Nonlinear sound generation mechanisms in musical acoustics = Helitekke mittelineaarsed mehhanismid muusikalises akustikas
Kartofelev, Dmitri 2014 https://www.ester.ee/record=b4412598*est

Nonlinear wave motion : complexity and simplicity revisited
Engelbrecht, Jüri; Salupere, Andrus; Peterson, Pearu Abstracts of IUTAM/IFToMM Symposium on Synthesis of Nonlinear Dynamical Systems, Riga, Latvia, 24-28 Aug. 1998 1998 / p. 3-4 https://link.springer.com/chapter/10.1007/978-94-011-4229-8_3

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 solitary waves in case of amplitude-dependent nonlinearity
Tamm, Kert; Peets, Tanel Chaos, solitons & fractals 2015 / p. 108-114 : ill <https://doi.org/10.1016/j.chaos.2015.01.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [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](#)

Reflectionless surface wave dynamics in channels of variable depth and width [Online resource]
Pelinovsky, Efim; Talipova, Tatyana; Didenkulova, Irina; Shurgalina, Ekaterina IUTAM Symposium Wind Waves : 4-8 September 2017, London, UK : abstracts 2017 / p. [28] https://www.ucl.ac.uk/maths/events/other-events/iutam-symposium-wind-waves/abstracts_final

Runup of nonlinear deformed waves on a beach [Electronic resource]
Didenkulova, Irina; Kurkin, Andrey; Pelinovsky, Efim; Soomere, Tarmo; Zahibo, Narcisse Geophysical research abstracts 2006 / Proc. European Geosciences Union (EGU) General Assamblee : Vienna, 4-8 April 2006, Paper 01453 [1] p. [CD-ROM] https://www.researchgate.net/publication/277047102_Runup_of_nonlinear_deformed_waves_on_a_beach

Spectral asymmetry and Higuchi's fractal dimension measures of depression electroencephalogram
Bachmann, Maie; Lass, Jaanus; Suhhova, Anna; Hinrikus, Hiie Computational and Mathematical Methods in Medicine 2013 / art. 251638 <https://doi.org/10.1155/2013/251638> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Teaduspreemia pikaajalise tulemusliku teadus- ja arendustöö eest : Jüri Engelbrecht. Mittelineaarne dünaamika ja kompleksüsteemid
Engelbrecht, Jüri Eesti Vabariigi preemiad : teadus. F. J. Wiedemanni keeleauhind. Kultuur. Sport 2015 / lk. 12-33 : ill., portr

The run-up of nonlinearly deformed sea waves on the coast of a bay with a parabolic cross-section
Didenkulov, Oleg; Didenkulova, Irina; Pelinovsky, Efim Moscow University physics bulletin 2016 / p. 323-328 : ill <https://doi.org/10.3103/S0027134916030048> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tsunami runup in narrow bays : the case of Samoa 2009 tsunami
Didenkulova, Irina Natural hazards 2013 / p. 1629-1636 : ill <https://doi.org/10.1007/s11069-012-0435-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wave propagation and dispersion in microstructured wool felt
Kartofelev, Dmitri; Stulov, Anatoli Wave motion 2015 / p. 23-33 : ill <https://doi.org/10.1016/j.wavemoti.2015.03.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Интерпретация движения в философии и в современном естествознании (с точки зрения нелинейной динамики) : методическая разработка : (расширенный план содержания курса лекций)
Mesimaa, Endel 1990 https://www.ester.ee/record=b1050143*est

Накат волны цунами на вертикальную стенку в присутствии прилива
Didenkulova, Irina; Pelinovsky, Efim Сборник трудов : XXIII Международной научно-технической конференции : «Информационные системы и технологии» : ИСТ-2017 2017 / с. 911-915

Накат нелинейно деформированных морских волн на берег бухты параболического сечения

Didenkulov, Oleg; **Didenkulova, Irina**; Pelinovsky, Efim Вестник Московского Университета. Серия 3, Физика. Астрономия 2016 / с. 84-89 : ил <http://vmu.phys.msu.ru/file/2016/3/16-3-84.pdf>