

### **A reliability study of wave climate modelling in the Baltic Sea**

**Räämet, Andrus; Soomere, Tarmo** 6th Study Conference on BALTEX : 14-18 June 2010, Miedzyzdroje, Poland : conference proceedings 2010 / p. 71-72 : ill

### **An abrupt change in winds that may radically affect the coasts and deep sections of the Baltic Sea**

**Soomere, Tarmo**; Bishop, Steven R.; **Viška, Maija; Räämet, Andrus** Climate research 2015 / p. 163-171 : ill  
<https://doi.org/10.3354/cr01269> [Journal metrics at WOS](#) [Article at WOS](#)

### **Abrupt changes in wave climate of regional seas caused by large-scale atmospheric forcing and teleconnections**

**Kudryavtseva, Nadezhda** Geophysical research abstracts 2020 / EGU2020-22430 <https://doi.org/10.5194/egusphere-egu2020-22430>

### **Accuracy issues of the haar wavelet method**

**Mikola, Madis; Haavajõe, Anti; Arak, Marti; Majak, Jüri; Pohlak, Meelis**; Shvartsman, Boris 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 103-106

### **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>

### **Airborne laser scanning validation of marine geoid models [Online resource]**

**Ellmann, Artu; Julge, Kalev**; Gruno, Anti; Liibus, Aive 1st Joint Commission 2 and IGFS Meeting International Symposium on Gravity, Geoid and Height Systems 2016 : September 19-23, 2016, Thessaloniki, Greece : program 2016 / [1] p  
<http://gghs2016.com/presentation-info/?presentation=728>

### **An experimental investigation of the oscillatory boundary layer around the breaking point**

**Liiv, Toomas** Proceedings of the Estonian Academy of Sciences. Engineering 2007 / 3, p. 215-233 : ill

### **An investigation of breaking waves in the flume**

**Liiv, Toomas** Second Indian National Conference on Harbour and Ocean Engineering, 7-10 December, 1997, Thiruvananthapuram, India 1998 / [9] p

### **Analysis of ship wake transformation in the coastal zone using time-frequency methods**

**Torsvik, Tomas; Hermann, Heiko; Didenkulova, Irina; Rodin, Artem** Proceedings of the Estonian Academy of Sciences 2015 / p. 379-388 : ill [https://artiklid.elnet.ee/record=b2740572\\*est](https://artiklid.elnet.ee/record=b2740572*est)

### **Analysis of the properties of fast ferry wakes in the context of coastal management = Kiirlaevalainete omaduste analüüs rannikualade haldamise kontekstis**

**Kurennoy, Dmitry** 2009 <https://digi.lib.ttu.ee/i/?4448> [https://www.ester.ee/record=b2508754\\*est](https://www.ester.ee/record=b2508754*est)

### **Application of empirical orthogonal functions reveals multiple modes of variations in the Baltic Sea wave climate**

**Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo** 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book, 12-15 June 2018, Klaipėda, Lithuania 2018 / p. 50  
[http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book\\_7th\\_Baltic-Symposium\\_20180528.pdf](http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf)

### **Application of Haar wavelet based methods for solving wave propagation problems**

**Ratas, Mart**; Jena, S.K.; Chakraverty, S. AIP conference proceedings 2020 <https://doi.org/10.1063/5.0026696> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Application of Haar wavelet method for solving nonlinear evolution equations**

**Ratas, Mart** International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2018 : 13-18 September 2018, Rhodes, Greece 2019 / art. 330004, p. 1-4 <https://doi.org/10.1063/1.5114342> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Application of shore sediments accumulated in navigation channel for restoration of sandy beaches around Pärnu City, SW Estonia, Baltic Sea**

Tõnisson, Hannes; **Männikus, Rain**; Kont, Are; Palginõmm, Valdeko; **Alari, Victor**; Suuroja, Sten; Vaasma, Tiit; Vilumaa, Kadri Journal of marine science and engineering 2024 / art. 394 <https://doi.org/10.3390/jmse12030394>

### **Application of the LSTM models for Baltic Sea wave spectra estimation**

**Simon, Martin; Rikka, Sander; Nõmm, Sven; Alari, Victor** IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing 2023 / p. 83-88 : ill <https://doi.org/10.1109/JSTARS.2022.3220882>

### **Assessment of the development limitations for wave energy utilization in the Baltic Sea**

**Vidjajev, Nikon; Palu, Riina; Terentjev, Jan; Hilmola, Olli-Pekka Kristian; Alari, Victor** Sustainability 2022 / art. 2832  
<https://doi.org/10.3390/su14052832> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Baltic Sea wave climate variability and its connection with climatic indices deduced from Empirical Orthogonal Functions**

**Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo** Abstracts : [BSSC 2019] 2019 / p. 125

[https://www.su.se/polopoly\\_fs/1.446756.1566224624!/menu/standard/file/abstracts\\_A5\\_ny.pdf](https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf)

**Baltic Sea wave climate via empirical orthogonal function analysis [Online resource]**

**Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo** Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 40 [https://www.baltic-earth.eu/publications/IBESPublications/No\\_14\\_Workshop\\_Multiple\\_Drivers\\_Tallinn\\_Nov2018/No.14\\_Tallinn2018.pdf](https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf)

[https://www.baltic-earth.eu/publications/IBESPublications/No\\_14\\_Workshop\\_Multiple\\_Drivers\\_Tallinn\\_Nov2018/No.14\\_Tallinn2018.pdf](https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf)

**A big wave at Pouto, Kaipara Harbour, New Zealand**

**Parnell, Kevin Ellis** Journal of Coastal Research 2020 / p. 291-294 <https://doi.org/10.2112/JCR-SI101-053.1> [Journal metrics at Scopus](#)

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

**Changing properties of wind waves and vessel wakes on the eastern coast of the Baltic Sea = Tuulelainete režiimi ja laevalainete omaduste muutused Läänemere idarannikul**

**Kelpšaitė, Loreta** 2009 <https://digi.lib.ttu.ee/i/?451> [https://www.ester.ee/record=b2508681\\*est](https://www.ester.ee/record=b2508681*est)

**Characterization of circumferential modes of a lucite cylinder immersed in water**

**Chati, F.; Leon, Fernand; Maze, Gerard** Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 277-280: ill

**CMEMS Baltic Monitoring and Forecasting Centre : high-resolution wave forecasts in the seasonally ice-covered Baltic Sea [Online resource]**

**Tuomi, Laura; Vähä-Piikkiö, Olga; Siili, T.; Alari, Victor** Operational oceanography serving sustainable marine development :

Proceedings of the Eighth EuroGOOS International Conference, 3-5 October 2017, Bergen, Norway 2018 / p. 269-274 : ill

<http://eurogoos.eu/download/publications/EuroGOOS-2017-Conference-Proceedings.pdf>

**Cnoidal waves governed by the Kudryashov-Sinelshchikov equation**

**Randrüüt, Merle; Braun, Manfred** Physics letters A 2013 / p. 1868-1874 : ill

**Coastal flooding : Joint probability of extreme water levels and waves along the Baltic Sea coast**

**Kudryavtseva, Nadezhda; Räämet, Andrus; Soomere, Tarmo** 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 70-71 : ill ["proceedings"](#)

**Coastal flooding: Joint probability of extreme water levels and waves along the Baltic Sea coast**

**Kudryavtseva, Nadezhda; Räämet, Andrus; Soomere, Tarmo** Journal of coastal research 2020 / p. 1146-1151

<https://doi.org/10.2112/SI95-222.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparative study on numerical hydroelastic analysis of impact-induced loads**

**Yan, Dongni; Hosseinzadeh, Saeed; Lakshminarayanan, Puramharikrishnan; Mikkola, Tommi; Hirdaris, Spyros** 23rd Numerical Towing Tank Symposium : 11th – 13th October 2021 Mülheim an der Ruhr, Germany 2021 / p. 150-155 : ill [https://www.uni-due.de/ISMT/ismt\\_nutts\\_2021.php](https://www.uni-due.de/ISMT/ismt_nutts_2021.php)

[https://www.uni-due.de/ISMT/ismt\\_nutts\\_2021.php](https://www.uni-due.de/ISMT/ismt_nutts_2021.php)

**Comparison between eddy viscosities for a plunging breaker wave**

**Oldekop, Nelly; Liiv, Toomas** 6th IAHR Europe Congress, Warsaw, Poland : abstract book 2021 / p. 411-412 <https://iahr2020.pl/wp-content/uploads/2021/02/Book-of-Abstracts-15-02-2021.pdf>

**Comparison between modelled and measured wind wave parameters in Estonian coastal waters**

**Zaitseva-Pärnaste, Inga; Räämet, Andrus; Soomere, Tarmo** Proceedings of the 2nd International Conference (school) on Dynamics of Coastal Zone of Non-tidal Seas : Baltiysk (Kaliningrad oblast, Russia), 26-30 June 2010 2010 / p. 106-110

**Comparison between the dynamic behavior of the non-stepped and double-stepped planing hulls in rough water: A numerical study**

**Esfandiari, Arman; Tavakoli, Sasan; Dashtimanesh, Abbas** Journal of ship production and design 2020 / Paper Nr: SNAME-JSPD-2020-36-1-52 ; p. 52–66 <https://doi.org/10.5957/jspd.2020.36.1.52>

**A comparison of Baltic Sea wave properties simulated using two modelled wind data sets**

**Giudici, Andrea; Jankowski, Mikolaj Zbigniew; Männikus, Rain; Najafzadeh, Fatemeh; Suursaar, Ülo; Soomere, Tarmo** Estuarine, coastal and shelf science 2023 / art. 108401, 15 p. : ill <https://doi.org/10.1016/j.ecss.2023.108401>

<https://doi.org/10.1016/j.ecss.2023.108401>

**Comparison of dispersive and nondispersive models for wave run-up on a beach**

**Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys; Denissenko, Petr** Izvestiya, atmospheric and oceanic physics 2020 / p. 494-501 <https://doi.org/10.1134/S0001433820050023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

[WOS](#)

### **A comparison of parameterized, simulated and measured eddy diffusivities in the Gulf of Finland**

**Lilover, Madis-Jaak**; Stips, Adolf Konrad BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 119

### **Comparison of rectangular wave excitations in broad band impedance spectroscopy for microfluidic applications**

**Min, Mart**; Giannitsis, Athanasios; **Land, Raul**; Cahill, Brian; Pliquet, Uwe; Nacke, T.; Frense, Dieter; Gastrock, Gunter; Beckmann, Dieter World Congress on Medical Physics and Biomedical Engineering : September 7-12, 2009, Munich, Germany 2009 / p. 85-88  
[https://link.springer.com/chapter/10.1007/978-3-642-03885-3\\_24](https://link.springer.com/chapter/10.1007/978-3-642-03885-3_24)

### **Comparison of several numerical methods in one-dimensional discontinuous elastic wave propagation**

Kolman, Radek; **Berezovski, Arkadi**; Gabriel, Dusan; **Tamm, Kert** 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 89-92 : ill

### **Comparison of the wave power for the open and sheltered segments of the Baltic Sea coast**

**Kovaleva, Olga**; **Soomere, Tarmo**; **Eelsalu, Maris** 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 210 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

### **Contribution of fundamental research towards solving challenges of changing times in coastal science and management**

**Soomere, Tarmo** Research in Estonia : present and future 2011 / p. 206-226 : ill

### **Contribution of wave set-up into the total water level in the Tallinn area**

**Pindsoo, Katri**; **Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2015 / p. 338-348 : ill  
[https://artiklid.elnet.ee/record=b2740558\\*est](https://artiklid.elnet.ee/record=b2740558*est)

### **Contribution of wave set-up into the total water level in the Tallinn area**

**Pindsoo, Katri**; **Soomere, Tarmo** 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 87 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

### **Convergence theorem for the Haar wavelet based discretization method**

**Majak, Jüri**; Shvartsman, Boris; **Kirs, Maarjuss**; **Pohlak, Meelis**; **Herranen, Henrik** Composite structures 2015 / p. 227-232  
<http://dx.doi.org/10.1016/j.compstruct.2015.02.050>

### **Crest-trough asymmetry of waves generated by high-speed ferries**

**Kurennoy, Dmitry**; **Didenkulova, Irina**; **Soomere, Tarmo** Estonian journal of engineering 2009 / 3, p. 182-195 : ill

### **Criteria for the transition from a breaking bore to an undular bore**

Pelinovsky, Efim; Shurgalina, Ekaterina; **Rodin, Artem** Izvestiya, atmospheric and oceanic physics 2015 / p. 530-533 : ill  
<http://dx.doi.org/10.1134/S0001433815050096>

### **Decadal changes in the Baltic Sea wave heights**

**Soomere, Tarmo**; **Räämet, Andrus** Journal of marine systems 2014 / p. 86-95 : ill

### **Decadal-scale impacts of a segmented, shore-parallel breakwater system**

Dolphin, Tony; Vincent, C.E.; Bacon, J.C.; Dumont, E.; **Terentjeva, Anna** Coastal engineering 2012 / p. 24-34 : ill  
[https://www.researchgate.net/publication/236268238\\_Decadal-scale\\_impacts\\_of\\_a\\_segmented\\_shore-parallel\\_breakwater\\_system](https://www.researchgate.net/publication/236268238_Decadal-scale_impacts_of_a_segmented_shore-parallel_breakwater_system)

### **Determination of closure depths for sheltered areas of the eastern part of the Baltic Sea**

**Kovaleva, Olga**; **Soomere, Tarmo**; **Eelsalu, Maris**; **Ryabchuk, Daria** 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 233  
[http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

### **Determining properties of nonlinear microstructured materials by means of solitary waves**

**Janno, Jaan**; **Engelbrecht, Jüri** Proc. 5th International Conference on Inverse Problems in Engineering : Cambridge, 2005. Vol. II 2005 / p. J02 1-6

### **A device for measuring wind waves in the marginal ice zone**

**Alari, Victor**; Björkqvist, Jan-Victor; **Kask, Anne**; Mölder, Kristjan; Kaldvee, Valdur Abstracts : [BSSC 2019] 2019 / p. 296  
[https://www.su.se/polopoly\\_fs/1.446756.1566224624!/menu/standard/file/abstracts\\_A5\\_ny.pdf](https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf)

### **Diapycnal mixing and internal waves in the Saint John River Estuary, New Brunswick, Canada with a discussion relative to the Baltic Sea**

**Delpeche, Nicole**; **Soomere, Tarmo**; **Lilover, Madis-Jaak** Estonian journal of engineering 2010 / 2, p. 157-175 : ill

### **Digital-physical convergence of wave energy conversion [Online resource]**

**Vidjajev, Nikon; Alari, Victor;** Terentjev, Jan Book of Abstracts of the General Assembly 2020 (online event) of the WECA Net COST Action CA17105 : A pan-European Network for Marine Renewable Energy with a Focus on Wave Energy 2020 / p. 43 ["Digital-physical convergence of wave energy conversion"](#)

#### **Discrete spectral analysis for solitary waves**

**Engelbrecht, Jüri; Salupere, Andrus;** Kalda, Jaan; Maugin, Gerard Acoustic interactions with submerged elastic structures. Part 2, Propagation, ocean acoustics and scattering 2001 / p. 1-40

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

**Peets, Tanel** 2011

#### **Dispersive and nondispersive nonlinear long wave transformations: numerical and experimental results**

Torsvik, Tomas; **Abdalazeez, Ahmed;** Dutykh, Denys; Denissenko, Petr; **Didenkulova, Irina** Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity 2019 / p. 41-60 [https://doi.org/10.1007/978-3-030-29951-4\\_3](https://doi.org/10.1007/978-3-030-29951-4_3)  
[https://www.ester.ee/record=b5303400\\*est](https://www.ester.ee/record=b5303400*est)

#### **Dispersive effects during long wave runup on a beach**

**Didenkulova, Irina; Abdalazeez, Ahmed;** Dutykh, Denys Geophysical research abstracts 2019 / p. EGU2019-16378  
<https://meetingorganizer.copernicus.org/EGU2019/EGU2019-16378.pdf>

#### **Doktoritöö heidab valgust Läänemere ja selle ranniku tangole [Võrguväljaanne]**

Oldermaa, Jaan-Juhan; **Eelsalu, Maris** novaator.err.ee 2020 / fot [Doktoritöö heidab valgust Läänemere ja selle ranniku tangole](#)

#### **'Dynamical' representation of the Poincare algebra for higher-spin fields in interaction with plane waves**

Saar, R.; **Loide, Rein-Karl;** Ots, I.; Tammelo, R. Journal of physics A : mathematical and general 1999 / p. 2499-2508

#### **Edge resonances in semi-infinite thick pipe : theoretical predictions and measurements [Electronic resource]**

**Ratassepp, Madis; Klauson, Aleksander;** Chati, Farid; Leon, Fernand; Maze, Gerard Special issue of the Revista de Acustica : 19th international Congress on Acoustics, Madrid (Spain), 2-7 September 2007 2007 / [6] p. [CD-ROM]  
<https://pubs.aip.org/asa/jasa/article/124/2/875/841531/Edge-resonance-in-semi-infinite-thick-pipe>

#### **Effects of large-scale atmospheric circulation on the Baltic Sea wave climate : application of the EOF method on multi-mission satellite altimetry data**

**Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo** Climate dynamics 2021 / p. 3465-3478 : ill  
<https://doi.org/10.1007/s00382-021-05874-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Effects of the sampling bias on retrieved modes of wave climate variations from satellite altimetry : Baltic Sea case study**

**Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo** 2019 European Space Agency Living Planet Symposium 2019 / [1] p <https://lps19.esa.int>

#### **Elastic wave Talbot effect in solids with inclusions**

**Berezovski, Arkadi;** Tang, Wen-Xin; Wan, Weishi Mechanics research communications 2014 / p. 21-26 : ill

#### **Elastic waves in microstructured solids**

**Berezovski, Arkadi** Encyclopedia of Continuum Mechanics 2020 / p. 830-837 [https://doi.org/10.1007/978-3-662-55771-6\\_231](https://doi.org/10.1007/978-3-662-55771-6_231)

#### **„Enneolematu katastroof”. Tonga vulkaani mõju ulatub üle maailma [Võrguväljaanne]**

Truusõot, Mari-Liis epl.delfi.ee 2022 / Lk. 10 : fot [„Enneolematu katastroof”. Tonga vulkaani mõju ulatub üle maailma](#)  
<https://dea.digar.ee/article/eestipaevaleht/2022/01/20/11.1>

#### **Ensemble hindcast of the wave properties in the Baltic Sea [Online resource]**

**Räämet, Andrus; Soomere, Tarmo** Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 42  
[https://www.baltic-earth.eu/multipledrivers2018/material/No.14\\_Tallinn2018.pdf](https://www.baltic-earth.eu/multipledrivers2018/material/No.14_Tallinn2018.pdf)

#### **Estimates of wave climate in the northern Baltic Proper derived from visual wave observations at Vilsandi**

**Soomere, Tarmo; Zaitseva, Inga** Proceedings of the Estonian Academy of Sciences. Engineering 2007 / 1, p. 48-64 : ill

#### **Estimating the wave statistics bias in the partially ice-covered regions of the Baltic Sea**

**Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Giudici, Andrea; Soomere, Tarmo** 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / P. 181-182 : ill [Proceeding](#)

#### **The European physical journal. Special topics**

2010 [https://www.ester.ee/record=b2624547\\*est](https://www.ester.ee/record=b2624547*est)

### **Evaluation of Haar wavelet method in engineering applications**

**Kirs, Maarjus; Tungal, Ernst** International Conference on Numerical Analysis and Applied Mathematics (ICNAAM 2018) : Rhodes, Greece, 13–18 September 2018 2019 / art. 330003 <https://doi.org/10.1063/1.5114341> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Evolving narratives of ship wake science and management**

**Soomere, Tarmo; Parnell, Kevin Ellis** Book of Abstracts: 1st ShipWave International Workshop on Ship-induced Hydrodynamic Loads in Shallow Confined Coastal Waterways Hamburg, Germany, 22 to 24 March 2023 2023 / p. 2-3  
<https://doi.org/10.18451/shipwave.2023>

### **Exact travelling wave solutions in strongly inhomogeneous media**

**Didenkulova, Irina; Pelinovsky, Efim; Soomere, Tarmo** Estonian journal of engineering 2008 / 3, p. 220-231 : ill  
[https://artiklid.elnet.ee/record=b1022376\\*est](https://artiklid.elnet.ee/record=b1022376*est)

### **Experiences with steady-state PMU compliance testing using standard relay testing equipment**

**Almas, Muhammad Shoaib; Kilter, Jako; Vanfretti, Luigi** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 103-110 : ill

### **Experimental determination of elastic constants of an orthotropic composite plate by using Lamb waves**

**Lasn, Kaspar; Klauson, Aleksander; Chati, Farid; Decultot, Dominique** Mechanics of composite materials 2011 / p. 435-446 : ill

### **Experimental determination of sound transmission in turbo-compressors : SAE Tech. paper no.2009-01-2045**

**Rämmal, Hans; Abom, Mats** SAE Technical Papers 2009 / [7] p <https://www.diva-portal.org/smash/record.jsf?pid=diva2%3A750030&dswid=9882>

### **Extreme wave and water level conditions in the Baltic Sea in January 2005 and their reflection in teaching of coastal engineering**

**Soomere, Tarmo; Healy, Terry** Building Resilience : CIB W89 International Conference on Building Education and Research [BEAR 2008] : book of executive summaries 2008 / p. 254-255

### **Extreme wave and water level conditions in the Baltic Sea in January 2005 and their reflection in teaching of coastal engineering**

**Soomere, Tarmo; Healy, Terry** Building Resilience : CIB W89 International Conference on Building Education and Research [BEAR 2008] : conference proceedings 2008 / p. 1397-1407

### **Extreme waves and low sea level during the storm in the Gulf of Bothnia, Baltic Sea**

**Raudsepp, Urmas; Männik, Aarne; Maljutenko, Ilja; Lagemaa, Priidik; Rikka, Sander; Alari, Victor; Uiboupin, Rivo** Journal of operational oceanography 2021 / p. s162-s173 : ill., map <https://doi.org/10.1080/1755876X.2021.1946240>

### **Far-field vessel wakes in Tallinn Bay**

**Parnell, Kevin Ellis; Delpeche, Nicole; Didenkulova, Irina; Dolphin, Tony; Erm, Ants; Kask, Andres; Kelpšaitė, Loreta; Kurennoy, Dmitry; Quak, Ewald; Räämet, Andrus; Soomere, Tarmo; Terentjeva, Anna; Torsvik, Tomas; Zaitseva-Pärmaste, Inga** Estonian journal of engineering 2008 / 4, p. 273-302 : ill

### **Field experiments with different fractions of painted sediments to study material transport in three coastal sites in Estonia**

**Tõnisson, Hannes; Eelsalu, Maris; Pindsoo, Katri** Journal of coastal research 2014 / p. 229-234 : ill

### **Flow, waves and water exchange in the Suur Strait, the Gulf of Riga in 2008**

**Raudsepp, Urmas; Laanemets, Jaan; Haran, Getli; Alari, Victor; Pavelson, Juss; Kõuts, Tarmo** Oceanologia 2011 / p. 35-56 : ill

### **Foreword**

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

### **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](https://doi.org/10.1007/978-3-319-31721-2_19)

### **Füüsika kursuse kontrollküsimused**

**Maasik, Voldemar** 1972 [https://www.ester.ee/record=b1315286\\*est](https://www.ester.ee/record=b1315286*est)

### **Haar wavelet method for vibration analysis of nanobeams**

**Kirs, Maarjus; Mikola, Madis; Haavajõe, Anti; Õunapuu, Erko; Shvartsman, Boris; Majak, Jüri** Waves, wavelets and fractals : advanced analysis 2016 / p. 20-28 : ill <https://doi.org/10.1515/wwfaa-2016-0003>

### **High-resolution wave model for coastal management and engineering in the eastern Baltic Sea**

**Giudici, Andrea; Männikus, Rain; Najafzadeh, Fatemeh; Jankowski, Mikolaj Zbigniew; Soomere, Tarmo;** Suursaar, Ülo 4th Baltic Earth Conference Assessing the Baltic Sea Earth System : Jastarnia, Hel Peninsula, Poland, 30 May to 3 June 2022 : conference proceedings 2022 / p. 150–151 : ill  
[https://baltic.earth/imperia/md/assets/baltic\\_earth/baltic\\_earth/baltic\\_earth/4bec\\_proceedings\\_web.pdf](https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/4bec_proceedings_web.pdf)

### **Highlights in the research into complexity of nonlinear waves**

**Engelbrecht, Jüri; Berezovski, Arkadi; Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 61-65

### **Identification of properties of microstructured materials by means of Gaussian wave packets and solitary waves**

**Janno, Jaan; Engelbrecht, Jüri** 5th International Conference on Optimal Research "Simulation and Optimization in Business and Industry" : May 17-20, 2006, Tallinn, Estonia : programme and abstracts 2006 / p. 1

### **Identification of ship wake structures by a time–frequency method**

**Torsvik, Tomas; Soomere, Tarmo; Didenkulova, Irina;** Sheremet, Alex Journal of fluid mechanics 2015 / p. 229-251 : ill  
<http://dx.doi.org/10.1017/jfm.2014.734>

### **Impact of changes in sea ice cover on the wave climate of semi-enclosed, seasonally ice-covered water bodies at temperate latitudes: a case study in the Gulf of Riga**

**Najafzadeh, Fatemeh; Soomere, Tarmo** Estonian journal of earth sciences 2024 / p. 26-36 <https://doi.org/10.3176/earth.2024.03>

### **Implications of fast ferry wakes for semi-sheltered beaches**

**Soomere, Tarmo; Didenkulova, Irina;** Parnell, Kevin Ellis BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 134

### **Improved PWM-based sinewave generation : example of the impedance**

**Abdullayev, Anar; Annus, Paul; Krivošei, Andrei; Metshein, Margus; Märtens, Olev;** Rist, Marek Automatic control and computer sciences 2023 / p. 449-458 <https://doi.org/10.3103/S0146411623050024>

### **In situ coastal observations of wave homogeneity and coherence**

**Christakos, Konstantinos; Gao, Zhen; Furevik, Birgitte R.; Björkqvist, Jan-Victor;** Aarnes, Ole Johan Applied ocean research 2022 / art. 103390 <https://doi.org/10.1016/j.apor.2022.103390> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Interaction of plankton with wave fields in the sea**

**Didenkulov, Igor; Didenkulova, Irina;** Muyakshin, Sergey; Selivanovsky, Dmitry BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 186

### **Interfacial long traveling waves in a two-layer fluid with variable depth**

**Pelinovsky, Efim; Talipova, Tatyana; Didenkulova, Irina;** Didenkulova, Ekaterina Studies in applied mathematics 2019 / p. 513-527  
<https://doi.org/10.1111/sapm.12235> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Internal waves and interfacial mixing in stratified environments**

**Delpeche, Nicole; Soomere, Tarmo** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 120

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

2009 [http://www.ester.ee/record=b2520738\\*est](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

### **Investigation of turbulence in a plunging breaking wave**

**Liiv, Toomas** Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 1, p. 58-78

### **Isotroopse plaadi Lambi lainete teoreetiline ja eksperimentaalne uurimine**

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

### **Joint influence of river stream, water level and wind waves on the height of sand bar in a river mouth**

**Laanearu, Janek; Koppel, Tiit; Soomere, Tarmo;** Davies, Peter A. Nordic hydrology 2007 / 3, p. 287-302  
<https://iwaponline.com/hr/article/38/3/287/688/Joint-influence-of-river-stream-water-level-and>

### **Keskkonnaagentuur alustas Peipsi järvel laineinfo mõõtmist ja edastamist [Võrguväljaanne]**

louna.ee 2022 [Keskkonnaagentuur alustas Peipsi järvel laineinfo mõõtmist ja edastamist](#)

### **Keskkonnaagentuur edastab esmaspäevast Peipsi järve laineinfot**

Võrumaa Teataja 2022 / Lk. 2 <https://dea.digar.ee/article/vorumaateataja/2022/07/07/5.5>

### **Kiirlaevad tekitavad tapvaid laineid : [TTÜ professor Tarmo Soomere teemakohane vestlus]**

**Soomere, Tarmo**; Jõgeda, Tiina Eesti Ekspress 2010 / 20. mai, lk. 6

### **Kiirlaevalained räsivad rannanõlva**

**Soomere, Tarmo** Eesti Loodus 2006 / 12, lk. 18-23 : ill [https://artiklid.elnet.ee/record=b2364678\\*est](https://artiklid.elnet.ee/record=b2364678*est)

### **Kinematic parameters of internal waves of the second mode in the South China Sea**

Kurkina, Oxana; Talipova, Tatyana; **Soomere, Tarmo**; Giniyatullin, Ayrat; Kurkin, Andrey Nonlinear processes in geophysics 2017 / p. 645-660 : ill <https://doi.org/10.5194/npg-24-645-2017>

### **Kuidas mõõta randade tervist**

**Soomere, Tarmo** Loodusesõber 2011 / 2, lk. 22-26 : ill

### **Kuidas uurida kivistunud tormide ajalugu : [TTÜ professor akadeemik Tarmo Soomere räägib kivistunud lainete uurimisest]**

Kello, Karl; **Soomere, Tarmo** Õpetajate Leht 2012 / lk. 12

### **Käsmu sadamaplaan laineuurija pilgu läbi : [küsimustele vastab Tarmo Soomere]**

**Soomere, Tarmo** Navigaator 2018 / lk. 28-29 : ill [https://www.ester.ee/record=b2091994\\*est](https://www.ester.ee/record=b2091994*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

### **Laboratory study of the breaking wave characteristics**

**Liiv, Toomas**; **Liiv, Uno** XXVIII IAHR Congress : 22-27 August, Graz : proceedings [CD-ROM] 1999 / [6] p

### **Laevad meie merel : õnnistus või õnnetus**

**Soomere, Tarmo** Eesti Loodus 2006 / 6, lk. 6-11 : ill <http://www.eestiloodus.ee/index.php?artikkel=1510>

### **Lained lammutavad randu, kuid suurt veeuputust veel karta pole [Võrguteavik]**

Liiviste, Priit pealinn.ee 2021 ["Lained lammutavad randu, kuid suurt veeuputust veel karta pole"](https://www.pealinn.ee/2021/07/20/lained-lammutavad-randu-kuid-suurt-veeuputust-veel-karta-pole/)

### **LainePoiss® - a lightweight and ice-resistant wave buoy**

**Alari, Victor**; **Björkqvist, Jan-Victor**; Kaldvee, Valdur; Mölder, Kristjan; **Rikka, Sander**; **Kask-Korb, Anne**; **Vahter, Kaimo**; **Pärt, Siim**; **Vidjajev, Nikon**; Tõnisson, Hannes Journal of atmospheric and oceanic technology 2022 / p. 573–594 : ill

<https://doi.org/10.1175/JTECH-D-21-0091.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Lainepõhised ohud rannavööndis**

**Didenkulova, Irina** Teadusmõtte Eestis (VII). Meri. Järved. Rannik : [artiklikogumik] 2011 / lk. 103-115 : ill

### **Lainetav Läänemeri Eesti teadlaste pilgu läbi**

**Soomere, Tarmo** Teadusmõtte Eestis. 4, Tehnikateadused. 2 2007 / lk. 133-142 : ill

### **Lainetuse energia potentsiaal Eesti territoriaalmeres**

**Alari, Victor** TalveAkadeemia 2011 : teaduslikud lühiartiklid 2011. Kogumik 9 2011 / lk. 8-14 : ill

### **Linking wave loads with the intensity of erosion along the coast of Latvia**

**Soomere, Tarmo**; Viška, Maija; Lapinskis, Janis; **Räämet, Andrus** Estonian journal of engineering 2011 / p. 359-374 : ill

### **Long wave dynamics in the coastal zone = Pikkade lainete dünaamika rannavööndis**

**Didenkulova, Irina** 2008 <https://digi.lib.ttu.ee/i/?230> [https://www.ester.ee/record=b2394485\\*est](https://www.ester.ee/record=b2394485*est)

### **Long wave generation and coastal amplification due to propagating atmospheric pressure disturbances**

Dogan, Gozde Guney; Pelinovsky, Efim; Zaytsev, Andrey; Metin, Ayse Duha; Ozyurt Tarakcioglu, Gulizar; Yalciner, Ahmet Cevdet; Yalciner, Bora; **Didenkulova, Ira** Natural hazards 2021 / p. 1195-1221 : ill <https://doi.org/10.1007/s11069-021-04625-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Long-term changes of waves at the German Baltic Sea coast: Are there trends from the past?**

Dreier, Norman; **Männikus, Rain**; Fröhle, Peter Journal of coastal research 2020 / p. 1416-141621 <https://doi.org/10.2112/SI95-274.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Lääne-Eestit võib täna öösel tabada viimase aja rängim torm : [TTÜ teadlaste Tarmo Soomere ja Tarmo Kõutsi prognoosidest]**

Naaber, Grete; Rooväli, Küllike; **Soomere, Tarmo; Kõuts, Tarmo** Postimees 2008 / 18. jaan., lk. 9  
<https://ilmajaam.postimees.ee/1749049/laane-eestit-voib-tana-oozel-tabada-viimase-aja-rangim-torm>

**Läänemere lainekliima Eesti ranniku kontekstis**

**Soomere, Tarmo** Teadusmõtte Eestis (VII). Meri. Järved. Rannik : [artiklikogumik] 2011 / lk. 69-82 : ill

**Läänemere rahutute rannikute põnevad saladused**

**Soomere, Tarmo** Teadusmõtte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 177-189 : ill., fot  
[https://www.ester.ee/record=b5208765\\*est](https://www.ester.ee/record=b5208765*est)

**Measurement of the variation of shear velocity on bed during a wave cycle**

**Oldekop, Nelly; Liiv, Toomas** journal of earth science and engineering 2013 / p. 322-330 : ill

**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](#)

**Mereilmateade muutub täpsemaks : Tehnikaülikooli teadlaste uus mudel prognoosib Läänemere lainekõrgust ja -suunda**  
digi.geenius.ee 2022 [Mereilmateade muutub täpsemaks : Tehnikaülikooli teadlaste uus mudel prognoosib Läänemere lainekõrgust ja -suunda](#)

**Merelt lähtuvate ohtude kvantifitseerimine ja minimeerimine Läänemere ranniku kontekstis : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööde tsüklile**

**Soomere, Tarmo** Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 170-190 : ill

**Microstructured materials : inverse problems**

**Janno, Jaan; Engelbrecht, Jüri** 2011 [https://www.ester.ee/record=b2720026\\*est](https://www.ester.ee/record=b2720026*est)

**Modeling the effect of anisotropy in ultrasonic-guided wave tomography**

**Ratassepp, Madis; Rao, Jing; Yu, Xudong; Fan, Zheng** IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control 2022 / p. 330-339 : ill <https://doi.org/10.1109/TUFFC.2021.3114432> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modelling of internal waves in the Baltic Sea**

**Kurkin, Andrey; Pelinovsky, Efim; Talipova, Tatyana; Soomere, Tarmo** Фундаментальная и прикладная гидрофизика 2018 / p. 8-20 <https://doi.org/10.7868/S2073667318020016> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Modification of closure depths by synchronisation of severe seas and high water levels**

**Soomere, Tarmo; Männikus, Rain; Pindsoo, Katri; Kudryavtseva, Nadezhda; Eelsalu, Maris** Geo-marine letters 2017 / p. 35-46 : ill <https://doi.org/10.1007/s00367-016-0471-5>

**Multi-scale wind wave modeling in the Baltic Sea = Mitmemastaapne tuulelainete modelleerimine Läänemeres**

**Alari, Victor** 2013 [http://www.ester.ee/record=b2995944\\*est](http://www.ester.ee/record=b2995944*est)

**Negative group velocity in solids**

**Tamm, Kert; Peets, Tanel; Engelbrecht, Jüri; Kartofelev, Dmitri** Wave motion 2017 / p. 127-138 : ill  
<https://doi.org/10.1016/j.wavemoti.2016.04.010>

**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 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 deformation and run-up of single tsunami waves of positive polarity : numerical simulations and analytical predictions**

**Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys** Natural hazards and earth system sciences 2019 / p. 2905–2913 : ill  
<https://doi.org/10.5194/nhess-19-2905-2019> <https://nhess.copernicus.org/articles/19/2905/2019/> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Nonlinear interaction of large-amplitude unidirectional waves in shallow water**

**Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem** Estonian journal of engineering 2011 / p. 289-300 : ill

**Nonlinear propagation and reflection of ultrasound - combining the numerical and analytical approach**  
**Braunbrück, Andres; Ravasoo, Arvi** 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 39-42 : ill

**Nonlinear two-dimensional longitudinal and shear waves in solids**  
**Peipman, Tõnu; Valdek, Urmas; Engelbrecht, Jüri** Acustica 1992 / p. 84-94

**Nonlinear wave motion and complexity**  
**Engelbrecht, Jüri** Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 66-71

**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 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 a layer with energy influx**  
**Engelbrecht, Jüri; Peipman, Tõnu** Wave motion 1992 / 16, p. 173-181

**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. ?

**Non-two-port characteristic model of balanced transmission line**  
**Kängsep, Eiko** Tallinna Tehnikaülikooli Toimetised 1990 / lk. 3-9: ill

**Numerical simulation of mechanical waves in biomembranes**  
**Tamm, Kert; Peets, Tanel** 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 179-182 : ill

**Numerical simulation of propagation of solitary deformation waves in a compressible hyperelastic rod**  
**Vallikivi, Margit; Salupere, Andrus; Dai, Hui-Hui** Mathematics and computers in simulation 2012 / p. 1348-1362 : ill  
<https://www.sciencedirect.com/science/article/pii/S0378475411001790>

**Numerical simulation of the propagation of ship-induced Riemann waves of depression into the Venice Lagoon**  
**Rodin, Artem; Soomere, Tarmo; Parnell, Kevin Ellis; Zaggia, Luca** Proceedings of the Estonian Academy of Sciences 2015 / p. 22-35 : ill [https://artiklid.elnet.ee/record=b2717480\\*est](https://artiklid.elnet.ee/record=b2717480*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](https://artiklid.elnet.ee/record=b1011964*est)

**Numerical simulations of wave climate in the Baltic Sea: a review**  
**Soomere, Tarmo** Oceanologia 2023 / p. 117-140 <https://doi.org/10.1016/j.oceano.2022.01.004>

**Numerical solution of stiff ODEs using non-uniform Haar wavelets**  
**Aziz, Imran; Yasmeen, Shumaila; Tsukrejev, Pavel** International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2018 : 13-18 September 2018, Rhodes, Greece 2019 / art. 330008 <https://doi.org/10.1063/1.5114346> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Numerical study for run-up of breaking waves of different polarities on a sloping beach**  
**Rodin, Artem; Didenkulova, Irina; Pelinovsky, Efim** Extreme ocean waves. 2nd ed 2016 / p. 155-172 [https://doi.org/10.1007/978-3-319-21575-4\\_9](https://doi.org/10.1007/978-3-319-21575-4_9)

**Numerical study of propagation ship-induced wave troughs in Venice Lagoon**  
**Parnell, Kevin Ellis; Soomere, Tarmo; Zaggia, Luca; Rodin, Artem** 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 207  
[http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

**Nutipoi heidab valgust jää ja lainete ringmängule**  
novaator.err.ee 2024 [Nutipoi heidab valgust jää ja lainete ringmängule](#)

## **Nähtav transport ja nähtamatud tökked Läänemere idarannikul**

**Soomere, Tarmo** Meri 2016 / lk. 15-23 [https://artiklid.elnet.ee/record=b2818112\\*est](https://artiklid.elnet.ee/record=b2818112*est)

## **On accuracy of the Haar wavelet method**

**Majak, Jüri**; Shvartsman, Boris; **Pohlak, Meelis**; **Eerme, Martin**; **Kirs, Maarjus** Mathematical modelling and analysis 2016 : abstracts 2016 / p. 50 [http://www.ester.ee/record=b4573512\\*est](http://www.ester.ee/record=b4573512*est)

## **On coastal waves and related upwellings in the Narva Bay**

**Laanearu, Janek** Coastal Engineering VI : Computer Modelling and Experimental Measurements of Seas and Coastal Regions : [papers of international conference] 2003 / p. 53-61 : ill

## **On long-term variations of wave conditions in the northern Baltic Sea**

**Zaitseva, Inga**; **Soomere, Tarmo** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 169-170

## **On periodic waves governed by the extended Korteweg-de Vries equation**

Braun, Manfred; **Randrüüt, Merle** Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 133-138 : ill  
[https://artiklid.elnet.ee/record=b2160578\\*est](https://artiklid.elnet.ee/record=b2160578*est)

## **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 propagation of 1D solitary waves in Mindlin-type microstructured solids**

**Tamm, Kert**; **Salupere, Andrus** Book of abstracts : The Sixth IMACS International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, Georgia, March 23-26, 2009 2009 / p. 86  
<https://www.sciencedirect.com/science/article/pii/S0378475410002260>

## **On shallow water rogue wave formation in strongly inhomogeneous channels**

**Didenkulova, Irina**; Pelinovsky, Efim Journal of physics A : mathematical and theoretical 2016 / art. 194001, p. 1-11 : ill  
<http://dx.doi.org/10.1088/1751-8113/49/19/194001>

## **On solitary waves and solitons in hierarchical systems**

**Salupere, Andrus**; **Engelbrecht, Jüri**; **Ilison, Lauri**; Tamm, K. 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. 158

## **On solitary waves and solitons in microstructured media**

**Salupere, Andrus**; **Engelbrecht, Jüri**; **Ilison, Olari**; **Ilison, Lauri** IMA International Conference, Recent Advances in Nonlinear Mechanics : 30 Aug. - 1 Sept. 2005, Aberdeen, Scotland, University of Aberdeen : book of abstracts 2005 / p. 144

## **On solitary waves in case of amplitude-dependent nonlinearity**

**Tamm, Kert**; **Peets, Tanel** Chaos, solitons & fractals 2015 / p. 108-114 : ill <http://dx.doi.org/10.1016/j.chaos.2015.01.013>

## **On the Kudryashov–Sinelshchikov equation for waves in bubbly liquids**

**Randrüüt, Merle** Physics letters A 2011 / p. 3687-3692 : ill

## **On the numerical determination of solitary waves for systems with quartic potential and higher order dispersion**

**Salupere, Andrus**; **Ilison, Olari** Proceedings of the NSCM-11 : Nordic Seminar on Computational Mechanics, October 16-17, Royal Institute of Technology, Department of Structural Engineering 1998 / p. 106-109

## **On the occurrence of non-reflecting cross-shore profiles along Estonian coasts of the Baltic Sea**

**Didenkulova, Irina**; **Soomere, Tarmo**; **Pindsoo, Katri**; Suuroja, Sten Estonian journal of engineering 2013 / p. 110-123 : ill  
[https://artiklid.elnet.ee/record=b2621591\\*est](https://artiklid.elnet.ee/record=b2621591*est)

## **On the propagation of solitary pulses in microstructured materials**

**Ilison, Olari**; **Salupere, Andrus** Chaos, solitons & fractals 2006 / 1, p. 202-214 : ill  
<https://ui.adsabs.harvard.edu/abs/2006CSF....29..202I/abstract>

## **On the propagation of solitary waves in microstructured solids**

**Ilison, Olari**; **Salupere, Andrus** 21st International Congress of Theoretical and Applied Mechanics : August 15-21, 2004, Warsaw, Poland : ICTAM04 : abstracts and CD-ROM proceedings 2004 / p. 275

## **On the propagation of solitary waves in Mindlin-type microstructured solids**

**Tamm, Kert**; **Salupere, Andrus** Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 118-125 : ill

## **On the validation of SWAN, a third generation spectral wave model, in Estonian coastal waters**

**Alari, Victor; Raudsepp, Urmas; Kõuts, Tarmo; Vahter, Kaimo** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 183

**On the wave dispersion in microstructured solids**

**Berezovski, Arkadi;** Yildizdag, M. Erden; Scerrato, Daria Continuum mechanics and thermodynamics 2020 / p. 569-588  
<https://doi.org/10.1007/s00161-018-0683-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**On the wave energy potential along the eastern Baltic Sea coast**

**Soomere, Tarmo; Eelsalu, Maris** Renewable energy 2014 / p. 221-233 : ill

**Ordered definitions in the theory of nonlinear waves**

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

**Overview of CMEMS BAL MFC service and developments [Online resource]**

Tuomi, Laura; She, Jun; Lorkowski, I.; Axell, L.; **Lagemaa, Priidik;** Schwichtenberg, F.; Huess, V. Operational oceanography serving sustainable marine development : Proceedings of the Eighth EuroGOOS International Conference, 3-5 October 2017, Bergen, Norway 2018 / p. 261-267 : ill <http://eurogoos.eu/download/publications/EuroGOOS-2017-Conference-Proceedings.pdf>

**Periodic and solitary waves in microstructured solids and related inverse problems**

**Janno, Jaan; Sertakov, Ivan** 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn, Estonia : abstracts 2012 / p. 57

**Periodically forced solitonic structures in dispersive media**

**Salupere, Andrus;** Kukk, Martti Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 145-156 : ill  
[https://artiklid.elnet.ee/record=b1011991\\*est](https://artiklid.elnet.ee/record=b1011991*est)

**Profiles of waves from high-speed ferries in the coastal area of Tallinn Bay**

**Soomere, Tarmo; Pöder, Reio; Rannat, Kalev; Kask, Andres** Proceedings of the Estonian Academy of Sciences. Engineering 2005 / 3, p. 245-260 : ill

**Projected changes in wave conditions in the Baltic Sea by the end of 21st century and the corresponding shoreline changes**

Suursaar, Ülo; Tõnisson, Hannes; **Alari, Victor; Raudsepp, Urmas;** Rästas, Henri; Anderson, Agnes Journal of coastal research 2016 / p. 1012-1016 <https://doi.org/10.2112/SI75-203.1>

**Propagation of sech2-type solitary waves in hierarchical KdV-type systems**

**Ilison, Lauri; Salupere, Andrus** Mathematics and computers in simulation 2009 / 11, p. 3314-3327 : ill  
<https://www.sciencedirect.com/science/article/pii/S0378475409001293>

**Propagation of sech2-type solitary waves in higher-order KdV-type systems**

**Ilison, Olari; Salupere, Andrus** Chaos, solitons & fractals 2005 / p. 453-465 : ill

**Propagation of solitary waves in microstructured media**

**Salupere, Andrus; Engelbrecht, Jüri; Ilison, Olari; Ilison, Lauri** Finno-Ugric International Conference of Mechanics : 29 May - 4 June, 2005, Ráckeve, Hungary 2005 / ? p

**Propagation regimes and populations of internal waves in the Mediterranean Sea basin**

Kurkina, Oxana; Rouvinskaya, Ekaterina; Talipova, Tatyana; **Soomere, Tarmo** Estuarine, coastal and shelf science 2017 / p. 44-54 : ill <https://doi.org/10.1016/j.ecss.2016.12.003>

**Quantification of the reaction of Estonian beaches to changing wave loads = Eesti rannikute reaktsioon muutuvatele lainekoormustele**

**Eelsalu, Maris** 2020 [https://www.ester.ee/record=b5368081\\*est](https://www.ester.ee/record=b5368081*est) <https://digikogu.taltech.ee/et/Item/f73e001a-2f7c-4832-a4b0-ea10a4894ab6>

**Radar remote sensing of meteo-marine parameters in the Baltic Sea = Laine- ja tuuleväljade määramine Läänemeres radarkaugseire andmetest**

**Rikka, Sander** 2019 <https://digi.lib.ttu.ee/i/?12168>

**Radarkaugseire kasutamine Läänemere lainetuse ja tuuleväljade määramiseks**

**Rikka, Sander; Uiboupin, Rivo;** Pleskachevsky, Andrey; **Alari, Victor;** Jacobsen, Sven; **Kõuts, Tarmo** Kaugseire Eestis 2018 : artiklikogumik 2018 / lk. 32-40 : ill [https://kosmos.ut.ee/sites/default/files/kosmos/kaugseire\\_eestis\\_2018.pdf](https://kosmos.ut.ee/sites/default/files/kosmos/kaugseire_eestis_2018.pdf)

**Rannad tahavad vabalt hingata**

**Soomere, Tarmo; Parnell, Kevin Ellis** Postimees 2021 / Lk. 15 <https://dea.digar.ee/article/postimees/2021/12/14/13.4>

## **Rannad tahavad vabalt hingata**

**Soomere, Tarmo** Akadeemilisi arutlusi : ilmast ja inimestest 2022 / lk. 122-124 [https://www.ester.ee/record=b5521198\\*est](https://www.ester.ee/record=b5521198*est)  
<https://dea.digar.ee/article/postimees/2021/12/14/13.4>

## **Reconstruction of coefficients of higher order nonlinear wave equations by measuring solitary waves**

**Janno, Jaan; Šeletski, Anna** Wave motion 2015 / p. 15-25 : ill <http://dx.doi.org/10.1016/j.wavemoti.2014.08.005>

## **Reconstruction of coefficients of higher order nonlinear wave equations by solitary waves**

**Janno, Jaan; Šeletski, Anna** Mathematical modelling and analysis 2016 : abstracts 2016 / p. 33  
[http://www.ester.ee/record=b4573512\\*est](http://www.ester.ee/record=b4573512*est)

## **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](https://www.ucl.ac.uk/maths/events/other-events/iutam-symposium-wind-waves/abstracts_final)

## **Remote sensing and modelling of wind waves in semi-enclosed seas = Tuulelainete kaugseire ja modelleerimine poolsuletud merealadel**

**Najafzadeh, Fatemeh** 2022 <https://doi.org/10.23658/taltech.64/2022> <https://digikogu.taltech.ee/et/Item/f00ab062-2512-47e0-91c1-c871163f58d2> [https://www.ester.ee/record=b5525225\\*est](https://www.ester.ee/record=b5525225*est)

## **Resonance phenomenon of wave interaction in inhomogeneous solids**

**Braunbrück, Andres; Ravasoo, Arvi** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2007 / 2, p. 108-115 : ill

## **Response of water circulation, temperature and salinity to wind wave effects in the Baltic and North Sea's**

**Alari, Victor**; Staneva, Joanna 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 62 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

## **Response of water temperature to surface wave effects in the Baltic Sea : simulations with the coupled NEMO-WAM model**

**Alari, Victor**; Staneva, Joanna; Breivik, Øyvind Geophysical research abstracts 2016 / p. EGU2016-4363

## **Responses of coastal processes to multiple drivers in the Baltic Sea region [Online resource]**

**Soomere, Tarmo** Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 26 [https://www.baltic-earth.eu/publications/IBESPublications/No\\_14\\_Workshop\\_Multiple\\_Drivers\\_Tallinn\\_Nov2018/No.14\\_Tallinn2018.pdf](https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf)

## **Retrieval of directional power spectral density and wave parameters from airborne LiDAR point cloud**

**Jahanmard, Vahidreza; Varbla, Sander; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu** Ocean engineering 2022 / art. 112694 <https://doi.org/10.1016/j.oceaneng.2022.112694> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Return periods of extreme water levels along Lithuanian sea coast based on a simple ensemble of projections**

**Mingelaite, Toma; Eelsalu, Maris; Pindsoo, Katri; Soomere, Tarmo**; Dailidiene, Inga 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 238 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

## **Ripple marks as indicators of Late Ordovician sedimentary environments in Northwest Estonia**

**Hints, Linda; Miidel, Avo** Estonian journal of Earth sciences 2008 / 1, p. 11-22 : ill

## **Rogue events in spatiotemporal numerical simulations of unidirectional waves in basins of different depth**

Slunyaev, Alexey; Sergeeva, Anna; **Didenkulova, Irina** Natural hazards 2016 / p. S549-S565 : ill <https://doi.org/10.1007/s11069-016-2430-x>

## **Rogue waves - towards a unifying concept? : discussions and debates**

Ruban, Victor; Kodama, Yuji; Ruderman, Michael; **Soomere, Tarmo** The European physical journal. Special topics 2010 / p. 5-15  
[https://www.ester.ee/record=b2624547\\*est](https://www.ester.ee/record=b2624547*est)

## **Rogue waves in shallow water**

**Soomere, Tarmo** The European physical journal. Special topics 2010 / p. 81-96 : ill [https://www.ester.ee/record=b2624547\\*est](https://www.ester.ee/record=b2624547*est)

## **Ruhnu sai „Laine poisid“**

Meie Maa 2021 / Lk. 3 <https://dea.digar.ee/article/meiemaa/2021/05/10/10.8>

## **Runup of long irregular waves on plane beach**

**Didenkulova, Irina;** Pelinovsky, Efim; Sergeeva, Anna Extreme ocean waves. 2nd ed 2016 / p. 141-153 : ill  
[https://doi.org/10.1007/978-3-319-21575-4\\_8](https://doi.org/10.1007/978-3-319-21575-4_8)

**Runup of nonlinear asymmetric waves on a plane beach**

**Didenkulova, Irina;** Pelinovsky, Efim; **Soomere, Tarmo;** Zahibo, Narcisse Tsunami and nonlinear waves 2007 / p. 175-190 : ill  
[https://link.springer.com/chapter/10.1007/978-3-540-71256-5\\_8](https://link.springer.com/chapter/10.1007/978-3-540-71256-5_8)

**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](https://www.researchgate.net/publication/277047102_Runup_of_nonlinear_deformed_waves_on_a_beach)

**Run-up of surface waves on a sea wall built on a convex bottom profile**

**Didenkulova, Irina;** Pelinovsky, Efim; Rodin, Artem Oceanology 2016 / p. 483-490 : ill <https://doi.org/10.1134/S0001437016030036>

**Saaremaa deep harbour layout design and computer simulation of the wave climate and sediment transport**

**Liiv, Toomas; Liiv, Uno** Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 2, p. 174-192

**Saaremaa (Õsel) deep harbour layout design and computer simulation of the wave hindcast and sediment transport problems**

**Liiv, Toomas; Liiv, Uno** "Environmental Impact and Water Management in a Catchment Area Perspective" : 24-26 September, 2001, Tallinn, Estonia : proceedings of the Symposium dedicated to the 40th Anniversary of Institute of Environmental Engineering at Tallinn Technical University 2001 / p. 247-249

**Scalar wave equation in a weak static gravitational field**

**Mankin, Romi;** Piir, Ivar 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 1983 / lk. 157-164  
[https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

**Seasonal and long-term variations of wave conditions in Estonian coastal waters**

**Zaitseva, Inga; Suursaar, Ülo; Soomere, Tarmo** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 148

**Shallow water rogue wave formation in inhomogeneous channels**

Pelinovsky, Efim; **Didenkulova, Irina** Geophysical research abstracts 2016 / EGU2016-1219

**Shear investigations of the breaking waves in the flume**

**Liiv, Toomas; Liiv, Uno** Proceedings of the 3rd International Conference on Hydro-Science and -Engineering, Cottbus/Berlin, Germany, August 31 - September 3, 1998 1998 / Ettekanne CD-ROMil: 21 lk

**Ship waves as a simple model of tsunamis and monster waves**

**Soomere, Tarmo** 5th Junior European Meeting on Control & Information Technology : September 20-22, 2006, Tallinn, Estonia : book of abstracts 2006 / p. 2

**Ship-induced solitary Riemann waves of depression in Venice Lagoon**

**Parnell, Kevin Ellis; Soomere, Tarmo;** Zaggia, Luca; **Rodin, Artem;** Lorenzetti, Giuliano; Rapaglia, John; Scarpa, Gian Marco Physics letters A 2015 / p. 555-559 : ill <http://dx.doi.org/10.1016/j.physleta.2014.12.004>

**Simulated wave-driven sediment transport along the eastern coast of the Baltic Sea**

**Soomere, Tarmo; Viška, Maija** Journal of marine systems 2014 / p. 96-105 : ill

**Simulation of patterns of wakes from high-speed ferries in Tallinn Bay**

Torsvik, Tomas; **Soomere, Tarmo** Estonian journal of engineering 2008 / 3, p. 232-254 : ill

**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

**Solitary waves governed by complicated nonlinearity and dispersion**

**Salupere, Andrus; Engelbrecht, Jüri; Ilison, Olari; Ilison, Lauri** List of abstracts FPU+50 : Nonlinear Waves 50 Years After Fermi-Pasta-Ulam : Rouen, France, June 21-25, 2005 2005 / p. 16-17

**Solitary waves in dispersive solids**

**Engelbrecht, Jüri; Salupere, Andrus; Peterson, Pearu;** Maugin, Gerard 3rd EUROMECH Solid Mechanics Conference : book of abstracts 1997 / p. 336

**Solitary waves in nonlinear microstructured materials**

Janno, Jaan; Engelbrecht, Jüri Journal of physics A : mathematical and general 2005 / p. 5159-5172 : ill

#### **Solitonide kohtumine - õrn embus või vihane võitlus?**

Soomere, Tarmo Akadeemia 2008 / lk. 2287-2315 : ill [https://www.ester.ee/record=b1071914\\*est](https://www.ester.ee/record=b1071914*est)

#### **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](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](https://www.ester.ee/record=b2073549*est)

#### **Solitons in a perturbed Korteweg-de Vries system**

Peterson, Pearu; Salupere, Andrus Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1997 / 1/2, p. 102-110

#### **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](https://artiklid.elnet.ee/record=b1011947*est)

#### **Some applications of "dynamical" representation of Poincare group**

Saar, Rein; Loide, Rein-Karl; Ots, Ilmar Фундаментальные поля : [посвящается 60-летию М. Кыйва] 1989 / с. 52-71 [https://www.ester.ee/record=b1292565\\*est](https://www.ester.ee/record=b1292565*est)

#### **Some remarks on first order wave equations**

Loide, Kadrin; Loide, Rein-Karl 1977 [https://www.ester.ee/record=b1274745\\*est](https://www.ester.ee/record=b1274745*est)

#### **Some remarks on the internal symmetries of relativistic wave equations**

Loide, Rein-Karl Acta physica Polonica. B, Particle physics and field theory, nuclear physics, theory of relativity 1983 / p. 671-678 [https://www.ester.ee/record=b3360521\\*est](https://www.ester.ee/record=b3360521*est)

#### **Soome lahel mõõdeti neljapäeval rekordiline lainekõrgus**

Tooming, Marko err.ee 2023 [Soome lahel mõõdeti neljapäeval rekordiline lainekõrgus](#) [Soome lahel mõõdeti rekordiline lainekõrgus](#)

#### **Spatial patterns of the wave climate in the Baltic Proper and the Gulf of Finland**

Räämet, Andrus; Soomere, Tarmo Boreal environment research 2021 / p. 29-41 : ill., map <http://www.borenv.net/BER/archive/pdfs/ber26/ber26-029-041.pdf>

#### **Spatial patterns of the wave climate in the Baltic Proper and the Gulf of Finland**

Soomere, Tarmo; Räämet, Andrus Oceanologia 2011 / p. 335-371 : ill

#### **Spatial variations of wave loads and closure depths along the coast of the eastern Baltic Sea**

Soomere, Tarmo; Viška, Maija; Eelsalu, Maris Estonian journal of engineering 2013 / p. 93-109 : ill [https://artiklid.elnet.ee/record=b2621589\\*est](https://artiklid.elnet.ee/record=b2621589*est)

#### **A spatially extensive validation of three different wave models in the Helsinki coastal archipelago**

Björkqvist, Jan-Victor; Vähä-Piikkiö, Olga; Tuomi, Laura; Alari, Victor From small scales to large scales - The Gulf of Finland Science Days 2017, 9th-10th October 2017, Estonian Academy of Sciences, Tallinn : Oral presentations 2017 / p. 10 [https://www.etis.ee/File/DownloadPublic/ebda3e4a-2eb0-4f26-971f-f16046bc0bed?name=TheGulfOfFinlandScienceDays\\_2017.pdf&type=application%2Fpdf](https://www.etis.ee/File/DownloadPublic/ebda3e4a-2eb0-4f26-971f-f16046bc0bed?name=TheGulfOfFinlandScienceDays_2017.pdf&type=application%2Fpdf)

#### **Spatio-temporal variability of the Baltic Sea wave fields = Läänemere lainetuse tingimuste ajalis-ruumiline muutlikkus**

Räämet, Andrus 2010 [https://www.ester.ee/record=b2604916\\*est](https://www.ester.ee/record=b2604916*est)

#### **Spectral analysis of soliton formation**

Engelbrecht, Jüri; Salupere, Andrus; Peipman, Tõnu; Maugin, Gerard Proceedings of the IUTAM/ISIMM Symposium on Structure and Dynamics of Nonlinear Waves in Fluids 1995

#### **Statistics for long irregular wave run-up on a plane beach from direct numerical simulations**

Didenkulova, Irina; Senichev, Dmitry; Dutykh, Denys Geophysical research abstracts 2017 / p. EGU2017-19133

#### **Statistics for long wave run-up on a slopping beach : theoretical predictions and experimental data**

Didenkulova, Irina; Dutykh, Denys; Senichev, Dmitry 15th Plinius Conference on Mediterranean Risks : 8-11 June 2016, Giardini Naxos, Italy 2016 / p. 15-38

#### **Stepped hulls early stage design by implementing 2D+T method**

**Niazmand Bilandi, Rasul;** Dashtimanesh, Abbas; Tavakoli, Sasan HSMV 2023 : Proceedings of the 13th Symposium on High Speed Marine Vehicles 2023 / p. 23-32 <https://doi.org/10.3233/PMST230005>

### **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

### **Studying the change of average waves of the Caspian Sea using the altimetry data**

Rakishva, Zauze Bayanovna; **Kudryavtseva, Nadezhda;** Kussembayeva, Kuanysh; Sakhayeva, Aigerim Journal of mathematics, mechanics and computer science 2019 / p. 59-75 : ill <https://doi.org/10.26577/JMMCS-2019-1-618>

### **Subharmonic resonant excitation of edge waves by breaking surface waves**

Abcha, Nizar; Zhang, Tonglei; Ezersky, Alexander; Pelinovsky, Efim; **Didenkulova, Irina** Nonlinear processes in geophysics 2017 / p. 157-165 : ill <https://doi.org/10.5194/npg-24-157-2017>

### **Zero mass limit of spin 3/2 wave equations**

**Loide, Rein-Karl;** Polt, A. 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 1986 / lk. 43-55 [https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

### **TalTechi 2022. aasta parim arendustöö on nutikas lainemõõtja**

geenius.ee 2023 [TalTechi 2022. aasta parim arendustöö on nutikas lainemõõtja](#)

### **Tarmo Soomere ÜROs uuest Eesti rakendusest: riikidel tekib ka ilma kallite radariteta täielik pilt**

ituudised.ee 2023 [Tarmo Soomere ÜROs uuest Eesti rakendusest: riikidel tekib ka ilma kallite radariteta täielik pilt](#)

### **Tarmo Soomere ÜROs uuest Eesti rakendusest: riikidel tekib ka ilma kallite radariteta täielik pilt**

Kald, Indrek ituudised.ee 2023 [Tarmo Soomere ÜROs uuest Eesti rakendusest: riikidel tekib ka ilma kallite radariteta täielik pilt](#) [Festis välja töötatud tehnoloogia võimaldab laevu identifitseerida tekitatud lainete järgi ÜRO-s esitleti Festis välja töötatud tehnoloogiat, mis ka kõige märkamatumad laevad ära tunneb](#)

### **Tarmo Soomere, Kevin Parnell: rannad tahavad vabalt hingata [Võrguväljaanne]**

**Soomere, Tarmo; Parnell, Kevin** Ellis postimees.ee 2021 ["Tarmo Soomere, Kevin Parnell: rannad tahavad vabalt hingata "](#)

### **Tarmo Soomere: eluohtlikud kiirlaevalained ründavad taas**

Rooväli, Küllike; **Soomere, Tarmo** Õhtuleht 2017 / lk. 3

### **Teadlane vastab : miks on merel vahel lained ka vaikse ilmaga? [Võrguväljaanne]**

**Soomere, Tarmo** Eesti Teaduste Akadeemia : Youtube kanal 2020 / video [Teadlane vastab: miks on merel vahel lained ka vaikse ilmaga?](#)

### **The application of coast geomorphic process concepts to eastern Baltic Sea conditions in a changing climate**

**Parnell, Kevin Ellis; Soomere, Tarmo** 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 143-144 [https://archive.baltic.earth/hel2020/material/3rd\\_BalticEarth\\_Conference\\_Proceedings.pdf](https://archive.baltic.earth/hel2020/material/3rd_BalticEarth_Conference_Proceedings.pdf)

### **The effects of wind and waves on in-situ surface drift in the Baltic Sea [Online resource]**

**Delpeche-Ellmann, Nicole Camille; Giudici, Andrea; Soomere, Tarmo** Geophysical research abstracts 2020 / p. EGU2020-11496 <https://doi.org/10.5194/egusphere-egu2020-11496>

### **The generation and dissipation of a solitonic wave that travels in the reverse direction to the flow in the Saint John River Estuary, New Brunswick, Canada**

**Delpeche, Nicole;** Clarke, J. Hughes; Haigh, S International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 12

### **The run-up of long waves of different polarity on non-reflecting and flat cross-shore profiles**

Rodin, Artem; Zemlyanikin, Andrey; Kurkin, Andrey; **Giudici, Andrea** 2018 IEEE/OES Baltic International Symposium (BALTIC 2018) : Klaipėda, Lithuania 12 - 15 June 2018 2018 / p. 128-133 : ill <https://doi.org/10.1109/BALTIC.2018.8634864>

### **The run-up of long waves of different polarity on non-reflecting and flat cross-shore profiles**

Rodin, Artem; Zemlyanikin, Andrey; Kurkin, Andrey; **Giudici, Andrea** 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book : 12–15 June 2018 Klaipėda, Lithuania 2018 / p. 54 [http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book\\_7th\\_Baltic-Symposium\\_20180528.pdf](http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf)

### **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

**The structure of algebraic solitons and compactons in the generalized Korteweg–de Vries equation**

Pelinovsky, Efim; Talipova, Tatyana; **Soomere, Tarmo** Physica D : Nonlinear Phenomena 2021 / art. 132785, 7 p. : ill

<https://doi.org/10.1016/j.physd.2020.132785> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The variation of the velocity and turbulent kinetic energy field in the wave in the vicinity of the breaking point**

Liiv, Toomas; Lagemaa, Priidik Estonian journal of engineering 2008 / 1, p. 42-64 : ill

**The variation of turbulent eddy viscosity during a wave cycle [Electronic resource]**

Oldekop, Nelly; Liiv, Toomas E-proceedings of the 36th IAHR World Congress : 28 June - 3 July, 2015, The Hague, the Netherlands 2015 / p. 1-5 : ill

**The wave climate and its seasonal variability in the northeastern Baltic Sea**

Räämet, Andrus; **Soomere, Tarmo** Estonian journal of earth sciences 2010 / 1, p. 100-113 : ill

[https://artiklid.elnet.ee/record=b1965737\\*est](https://artiklid.elnet.ee/record=b1965737*est)

**Применение общей теории качки судов к определению продольной и поперечной сил и момента рысканья, действующих на судно на попутной волне**

Ananjev, Dmitri 1959 [https://www.ester.ee/record=b1310849\\*est](https://www.ester.ee/record=b1310849*est) <https://digikogu.taltech.ee/et/Item/97600fad-7c47-4ef3-b828-3b0cd5bf0494>

**Transformation of a strongly nonlinear wave in a shallow-water basin**

Pelinovsky, Efim; **Rodin, Artem** Izvestiya, atmospheric and oceanic physics 2012 / p. 343-349 : ill

<https://link.springer.com/article/10.1134/S0001433812020089>

**Transformation of an irregular wave field along a quartic bottom profile**

Didenkulova, Irina; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2013 / p. 155-160 : ill

**Transport of sediments resuspended by ferries**

Erm, Ants; Alari, Victor; **Kõuts, Tarmo** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 45-46 : ill

**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

**Tsunami evolution and run-up in a large scale experimental facility**

Sriram, Venkatachalam; **Didenkulova, Irina**; Sergeeva, Anna; Schimmels, Stefan Coastal engineering 2016 / p. 1-12 : ill

<https://doi.org/10.1016/j.coastaleng.2015.11.006>

**Tsunami generation in a large scale experimental facility**

Schimmels, Stefan; Sriram, Venkatachalam; **Didenkulova, Irina** Coastal engineering 2016 / p. 32-41 : ill

<https://doi.org/10.1016/j.coastaleng.2015.12.005>

**Tsunami wave run-up on a vertical wall in tidal environment**

Didenkulova, Irina; Pelinovsky, Efim Pure and applied geophysics 2018 / p. 1387–1391 <https://doi.org/10.1007/s00024-017-1744-2>

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

**Tuulegeneraatoritest ja Lamb'i lainetest**

Tamberg, Gert Aastaraamat 2010 / Eesti Matemaatika Selts 2012 / lk. 10-19 : ill

**A two-layer elastic strip under transverse impact loading : analytical solution, finite element, and finite volume simulations**

Adámek, V.; **Berezovski, Arkadi**; Mračko, Michal; Kolman, Radek Mathematics and computers in simulation 2021 / p. 126-140

<https://doi.org/10.1016/j.matcom.2020.10.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Underwater experiments and a theoretical model – case study in Tallinn Bay**

Erm, Ants; Buschmann, Fred; Listak, Madis; Rebane, Jaan; Toming, Gert Journal of coastal research 2013 / p. 1521-1526 : ill

**Unusual wave and water level conditions in the Baltic Sea during windstorm Gudrun in January 2005 and their modelling**

**Soomere, Tarmo** 5th International Conference on Optimal Research "Simulation and Optimization in Business and Industry" : May 17-20, 2006, Tallinn, Estonia : programme and abstracts 2006 / p. 4-5

**Unusual wave conditions in the northern Baltic Sea during windstorm Gudrun in January 2005 [Electronic resource]**  
**Soomere, Tarmo**; Behrens, A.; Tuomi, Laura; Nielsen, J.W. Geophysical research abstracts 2006 / Proc. European Geosciences Union (EGU) General Assamblee : Vienna, 4-8 April 2006, Paper 02851 [3] p. [CD-ROM]

**Uus mudel prognoosib lainekõrgust Läänemerele [Võrguväljaanne]**

Saar, Sandra novaator.err.ee 2022 [Uus mudel prognoosib lainekõrgust Läänemerele](#)

**Validation of the multi-mission altimeter wave height data for the Baltic Sea region**

**Kudryavtseva, Nadezhda; Soomere, Tarmo** Estonian journal of earth sciences 2016 / p. 161-175 : ill  
<http://dx.doi.org/10.3176/earth.2016.13>

**WAM, SWAN and WAVEWATCH III in the Finnish archipelago – the effect of spectral performance on bulk wave parameters**

Björkqvist, Jan-Victor; Vähä-Piikkiö, Olga; **Alari, Victor**; Kuznetsova, A.; Tuomi, Laura Journal of operational oceanography 2020 / p. 55-70 : ill <https://doi.org/10.1080/1755876X.2019.1633236> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Variability in the properties of long waves generated by high-speed ferries in Tallinn Bay**

**Kurennoy, Dmitry**; Parnell, Kevin Ellis BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 182

**Variations in extreme wave heights and wave directions in the north-eastern Baltic Sea**

**Räämet, Andrus; Soomere, Tarmo; Zaitseva-Pärnaste, Inga** Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 182-192 : ill

**Wave climate and its decadal changes in the Baltic Sea derived from visual observations = Läänemere lainekliima ja selle muutlikkus visuaalsete lainevaatluste alusel**

**Zaitseva-Pärnaste, Inga** 2013

**Wave climatology in the Arkona Basin, the Baltic Sea**

**Soomere, Tarmo**; Weisse, Ralf; Behrens, Arno Ocean science 2012 / p. 287-300 : ill <https://os.copernicus.org/articles/8/287/2012/os-8-287-2012.pdf>

**Wave dynamics in the channels of variable cross-section**

Pelinovsky, Efim; **Didenkulova, Irina**; Shurgalina, Ekaterina Physical oceanography 2017 / p. 19-27 : ill  
<http://dx.doi.org/10.22449/1573-160X-2017-3-19-27>

**Wave energy potential in the seasonally ice-covered Baltic Sea based on a long-term hindcast**

**Alari, Victor**; Björkqvist, Jan-Victor; Pärn, Ove 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book : 12–15 June 2018 Klaipėda, Lithuania 2018 / p. 11 [http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book\\_7th\\_Baltic-Symposium\\_20180528.pdf](http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf)

**Wave height return periods from combined measurement–model data: a Baltic Sea case study**

**Björkqvist, Jan-Victor; Rikka, Sander; Alari, Victor; Männik, Aarne**; Tuomi, Laura; Pettersson, Heidi Natural hazards and earth system sciences 2020 / p. 3593–3609 <https://doi.org/10.5194/nhess-20-3593-2020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Wave hierarchy in microstructured solids**

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

**Wave propagation in hierarchical multiscale microstructured solids and dispersion**

**Peets, Tanel; Tamm, Kert** 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 141-144 : ill

**Wave regime differences along the eastern coast of the Baltic Proper**

**Kelpšaitė, Loreta; Herrmann, Heiko; Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2008 / 4, p. 225-231 : ill

**Waves**

**Soomere, Tarmo** Encyclopedia of marine geosciences 2016 / p. 940-944 : tab [http://doi.org/10.1007/978-94-007-6238-1\\_142](http://doi.org/10.1007/978-94-007-6238-1_142)

**Waves in materials with microstructure : numerical simulation**

**Berezovski, Mihail; Berezovski, Arkadi; Engelbrecht, Jüri** Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 99-107 : ill

**Waves in microstructured solids : inverse problems**

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

#### **Wind wave statistics in Tallinn Bay**

**Soomere, Tarmo** Boreal environment research 2005 / p. 103-118 : ill

#### **Üksiklained mittelineaarses mikrostruktuuriga tahkises ja nendega seotud pöördülesanne**

**Janno, Jaan; Engelbrecht, Jüri** Aastaraamat 2005 / Eesti Matemaatika Selts 2006 / lk. 12-29

#### **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](https://www.ester.ee/record=b1258828*est)

#### **Алгоритм вычисления эхо-сигналов от упругой сферической оболочки в жидкости путем суммирования отдельных групп бегущих волн**

**Metsaveer, Jaan** 1971 [https://www.ester.ee/record=b1332287\\*est](https://www.ester.ee/record=b1332287*est)

#### **В ООН представили разработанную в Эстонии технологию, которая распознает даже самые незаметные корабли**

rus.postimees.ee 2023 [В ООН представили разработанную в Эстонии технологию, которая распознает даже самые незаметные корабли](#)

#### **Волны-убийцы : наблюдения и механизмы возбуждения**

**Didenkulova, Irina** Природные катастрофы : изучение, мониторинг, прогноз : VI Сахалинская молодежная научная школа : 3-8 октября 2016 г., г. Южно-Сахалинск, Россия : сборник материалов 2016 / с. 26-29 : ил <https://drive.google.com/file/d/0B0WS5U73LMHjal83TDgzUTdjaig/view>

#### **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](https://www.ester.ee/record=b1296539*est)

#### **Высота волн в западной части Балтийского моря увеличивается на 5 мм в год**

**Kudryavtseva, Nadezhda** rus.delfi.ee 2021 [Высота волн в западной части Балтийского моря увеличивается на 5 мм в год](#)

#### **Динамика волн в каналах переменного сечения**

**Pelinovsky, Efim; Didenkulova, Irina; Shurgalina, Ekaterina** Морской гидрофизический журнал 2017 / с. 22-31

#### **Излучение акустических волн некруговой цилиндрической оболочкой в жидкости**

**Ross, Urmas; Lahe, Andres** Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1990 / 1, lk. 40-45: ill

#### **Изучение статистики наката случайных волн на берег на основе прямого численного моделирования**

**Senitšev, Dmitri; Didenkulova, Irina; Dutykh, Denys** Сборник трудов : XXIII Международной научно-технической конференции : «Информационные системы и технологии» : ИСТ-2017 2017 / с. 1001-1006

#### **Изучение экстремальных заплесков волн на берег в рамках нелинейных уравнений теории мелкой воды**

**Senitšev, D.; Didenkulova, Irina** XXII Международная научно-техническая конференция "Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 437

#### **Исследование распространения волн в упругой цилиндрической оболочке на базе геомеханически 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](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://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://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](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](https://www.ester.ee/record=b3798375*est)

#### **Исследование упругих волн в складчатых конструкциях методом трехмерных сеток и методом конечных элементов**

**Käerdi, Helmo; Poverus, Lembit** Труды по строительной механике : сборник статей. 7 1976 / с. 47-55 : илл [https://www.ester.ee/record=b2190752\\*est](https://www.ester.ee/record=b2190752*est) <https://digikogu.taltech.ee/et/Item/f6a690f4-3c09-4e01-8a66-8a313dea9f38>

#### **К обратной задаче о собственных колебаниях упругих оболочек**

**Ainola, Leo** Прикладная математика и механика 1971 / с. 358-364 [https://www.ester.ee/record=b1582396\\*est](https://www.ester.ee/record=b1582396*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](https://www.ester.ee/record=b2749835*est)

#### **Колебание кругоцилиндрической упругой оболочки, вызванное действием сосредоточенного импульса**

**Nigul, Uno** Сборник статей по теории тонкостенных конструкций. 2 1960 / с. 37-57 : илл [https://www.ester.ee/record=b1510765\\*est](https://www.ester.ee/record=b1510765*est) <https://digikogu.taltech.ee/et/Item/47ab6223-d81b-4985-aecf-ed338263d1b>

#### **Малые неосесимметричные собственные колебания упругих тонких конических и цилиндрических оболочек**

**Poverus, Lembit; Räämet, Raimund; Alumäe, Nikolai** Сборник статей по теории тонкостенных конструкций. [1] 1958 / с. 31-64 : илл [https://www.ester.ee/record=b1380598\\*est](https://www.ester.ee/record=b1380598*est) <https://digikogu.taltech.ee/et/Item/a5fb654c-deed-4559-8513-413916c93f39>

#### **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://www.ester.ee/record=b2190653*est) <https://digikogu.taltech.ee/et/Item/66202bf2-fa56-47cc-8d36-17e663cd263d>

#### **Моделирование внутренних волн на северо-западном побережье Пиринейского полуострова**

Röbin, A.; **Didenkulova, Irina**; Ruvinskaja, E. XXII Международная научно-техническая конференция "Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 422

#### **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 длинных волн на берег в бухте параболического сечения**

Didenkulov, Oleg; **Didenkulova, Irina**; Pelinovsky, Efim Сборник трудов : XXIII Международной научно-технической конференции : «Информационные системы и технологии» : ИСТ-2017 2017 / с. 905-910

#### **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>

#### **Накат поверхностных волн на стенку, установленную на выпуклом донном профиле**

**Didenkulova, Irina**; Pelinovsky, Efim; Rodin, Artem Океанология 2016 / с. 529-536 <https://doi.org/10.7868/S0030157416030035>

#### **Некоторые вопросы прохождения акустических волн через слоистые пластины**

**Hein, A.; Tümanok, Aleksei** XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 12 [https://www.ester.ee/record=b1379468\\*est](https://www.ester.ee/record=b1379468*est)

#### **Некоторые задачи теории управляемости судов на волнении**

**Ananjev, Dmitri** Труды по физике : сборник статей. 3 1962 / с. 3-20 : илл [https://www.ester.ee/record=b2181580\\*est](https://www.ester.ee/record=b2181580*est) <https://digikogu.taltech.ee/et/Item/b26026d9-e986-49c0-9ada-121845efb876>

#### **Некоторые результаты исследования уравнений собственных колебаний упругой кругоцилиндрической оболочки**

**Nigul, Uno** Сборник статей по теории тонкостенных конструкций. 2 1960 / с. 19-36 : илл [https://www.ester.ee/record=b1510765\\*est](https://www.ester.ee/record=b1510765*est) <https://digikogu.taltech.ee/et/Item/47ab6223-d81b-4985-aecf-ed338263d1b>

#### **О влиянии волнообразования на скорость захлебывания в пленочных колоннах**

**Treimann, Aksel; Siirde, Enno** Процессы и аппараты химической технологии и технология неорганических веществ. 4 1973 / с. 15-23 : илл [https://www.ester.ee/record=b1386707\\*est](https://www.ester.ee/record=b1386707*est) <https://digikogu.taltech.ee/et/Item/72e7c5b1-8453-41a6-9821-41853b98368d>

**О динамических моделях вязкоупругих сред**

**Metsaveer, Jaan** Доклады Академии наук СССР. Новая серия 1981 / с. 564-566 [https://www.ester.ee/record=b1490268\\*est](https://www.ester.ee/record=b1490268*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](https://www.ester.ee/record=b2874701*est)

**О рассеянии волн упругими сферическими оболочками в акустической среде**

**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 1970 / лк. 415-422 : ил [https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

**О решении двумерных уравнений переноса переходных волновых процессов методом преобразования Фурье**

**Peipman, Tõnu; Engelbrecht, Jüri** Вопросы прочности и оптимизации конструкций 1982 / с. 107-112 : рис [https://www.ester.ee/record=b1304345\\*est](https://www.ester.ee/record=b1304345*est)

**О формировании уединенных волн**

**Engelbrecht, Jüri; Peipman, Tõnu** Развитие научных исследований в области технических наук в Эстонской ССР : тезисы республиканской конференции, Таллин, 15-16 октября 1986 г. 1986 / с. 187-190 [https://www.ester.ee/record=b1231513\\*est](https://www.ester.ee/record=b1231513*est)

**Об общих формах колебания круговой замкнутой цилиндрической оболочки**

**Nigul, Uno; Alumäe, Nikolai** Сборник статей по теории тонкостенных конструкций. [1] 1958 / с. 65-83 : илл [https://www.ester.ee/record=b1380598\\*est](https://www.ester.ee/record=b1380598*est) <https://digikogu.taltech.ee/et/Item/a5fb654c-deed-4559-8513-413916c93f39>

**Об осесимметрических колебаниях кругоцилиндрических тонкостенных оболочек**

**Ollik, Konstantin; Alumäe, Nikolai** Сборник статей по теории тонкостенных конструкций. [1] 1958 / с. 15-30 : илл [https://www.ester.ee/record=b1380598\\*est](https://www.ester.ee/record=b1380598*est) <https://digikogu.taltech.ee/et/Item/a5fb654c-deed-4559-8513-413916c93f39>

**Об учете дифракционных сил при исследовании управляемости судов на волнении**

**Ananjev, Dmitri** Судовые силовые установки и судостроение : сборник статей. [1] 1961 / с. 88-99 : илл [https://www.ester.ee/record=b2181440\\*est](https://www.ester.ee/record=b2181440*est) <https://digikogu.taltech.ee/et/Item/97a164bf-01bd-43f0-a091-986396e39e2d>

**Одномерные волны в среде с неоднородной предварительной деформацией**

**Ravasoo, Arvi** Вопросы нелинейной механики сплошной среды : сборник научных трудов 1985 / с. 161-171 [https://www.ester.ee/record=b1240779\\*est](https://www.ester.ee/record=b1240779*est)

**Переходные колебания цилиндрической оболочки, возбуждаемые подвижной нагрузкой**

**Tümanok, Aleksei** XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 35-36 [https://www.ester.ee/record=b1359832\\*est](https://www.ester.ee/record=b1359832*est)

**Поперечные колебания высоких свайных ростверков**

**Golst, Georgi** Информационный бюллетень Академии / Военная академия тыла и транспорта ; 58 1956 / с. 33-43 [https://www.ester.ee/record=b5306450\\*est](https://www.ester.ee/record=b5306450*est)

**Поперечные колебания свайных ростверков как систем с двумя степенями свободы**

**Golst, Georgi** Военная академия тыла и транспорта ; 8 1957 / с. 3-12 [https://www.ester.ee/record=b5306450\\*est](https://www.ester.ee/record=b5306450*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://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](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://www.ester.ee/record=b2189979*est) <https://digikogu.taltech.ee/et/Item/61a80292-0587-462a-b7a6-0a942f3a8038/>

**Сравнение дисперсионной и бездисперсионной моделей наката длинных волн на берег**

**Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys; Denissenko, Petr** Известия РАН. Физика атмосферы и океана 2020 / с. 567-574 <https://doi.org/10.31857/S0002351520050028>

#### **Упругие волны в круглой пластине**

**Poverus, Lembit** Статические и динамические методы анализа пластин и оболочек 1984 / с. 51-63

#### **Упругие волны в однослойных и слоистых пластинах**

**Poverus, Lembit** Двумерное поле напряжений и оптимальные плоские системы 1981 / с. 79-91

#### **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://www.ester.ee/record=b2190653*est) <https://digikogu.taltech.ee/et/Item/66202bf2-fa56-47cc-8d36-17e663cd263d>

#### **Фундаментальное решение векторного волнового уравнения в искривленном пространстве - времени**

**Mankin, Romi** Тезисы докладов всесоюзной конференции "Современные теоретические и экспериментальные проблемы теории относительности и гравитации" : [VI Советская гравитационная конференция, ИТФ АН СССР, МГПИ, УДН, Москва, июль 1984 г.] 1984 / с. 136-137 [https://www.ester.ee/record=b5339755\\*est](https://www.ester.ee/record=b5339755*est)

#### **Численная реализация метода характеристик при одномерных волновых процессах деформации**

**Lahe, Andres; Nigul, Uno; Pikk, J.P.; Engelbrecht, Jüri** Труды симпозиума "Нелинейные и тепловые эффекты при

переходных волновых процессах": [20-24 ноября 1973 г. Таллин]. Т. 2 1973 / с. 68-75 : ил [https://www.ester.ee/record=b1581419\\*est](https://www.ester.ee/record=b1581419*est)

#### **Экспериментальное исследование воздействия волн на прибрежные сооружения при экстремальных наводнениях**

**Rodin, Artem; Didenkulov, Oleg; Sergeeva, Anna; Didenkulova, Irina** XXII Международная научно-техническая конференция "Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 421