

### **General discussion on the subject "Microturbulent diffusion and dispersion"**

**Aitsam, Ain** [XII IAHR congress] : twelfth congress of the International Association for Hydraulic Research, Fort Collins, September 11 - 14, 1967 ; proceedings : 5 : Opening events at the congress, reports by general reporters, special lectures at the congress, and discussions of papers and seminar communications at technical sessions 1967 / p. [537-542]

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

**Peets, Tanel** 2011

### **Dispersion map optimization for nonlinearity mitigation in two-span phase-sensitive amplifier links [Electronic resource]**

**Astra, Egon**; Olsson, Samuel L. I.; Eliasson, Henrik; **Laadung, Taavi**; **Andrekson, Peter Avo** ECOC 2016 : 42th European Conference on Optical Communication : September 18-22, 2016, Congress Center Düsseldorf (CCD), Germany : proceedings 2016 / p. 953-955 : ill. [DVD]

### **Dispersive waves in microstructured solids**

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

### **Effect of strain rate and temperature on mechanical properties and fracture mechanism of the dispersion strengthened Al-12Al4C3 system**

Velgosova, Oksana; Besterici, Michal; **Kulu, Priit** High temperature materials and processes 2005 / 3, p. 183-187 : ill <https://www.degruyter.com/document/doi/10.1515/HTMP.2005.24.3.183/html>

### **Effect of strain rate, volume fraction of particles and temperature on fracture mechanism in Al-Al4C3 systems**

Velgosova, Oksana; Besterici, Michal; Kovac, Ladislav; **Kulu, Priit**; Huang, Song-Jeng Kovove materialy = Metallic materials 2011 / p. 361-367 : ill [https://www.researchgate.net/publication/273435866\\_Effect\\_of\\_strain\\_rate\\_volume\\_fraction\\_of\\_particles\\_and\\_temperature\\_on\\_fracture\\_mechanism\\_in\\_Al-Al4C3\\_systems](https://www.researchgate.net/publication/273435866_Effect_of_strain_rate_volume_fraction_of_particles_and_temperature_on_fracture_mechanism_in_Al-Al4C3_systems)

### **Four-span dispersion map optimization for improved nonlinearity mitigation in phase-sensitive amplifier links**

**Astra, Egon**; Eliasson, Henrik; **Andrekson, Peter Avo** 2017 European Conference on Optical Communication (ECOC 2017), Gothenburg, Sweden, 17-21 September 2017 2017 / p. 424-426 : ill <https://doi.org/10.1109/ECOC.2017.8345968>

### **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) [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Full field computing for elastic pulse dispersion in inhomogeneous bars**

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

### **Improved mitigation of self-phase modulation induced impairments in 28 GBaud phase-sensitive amplified links**

**Astra, Egon**; Eliasson, Henrik; **Ruuben, Toomas**; **Andrekson, Peter Avo** Optics express 2019 / p. 4304-4316 : ill <https://doi.org/10.1364/OE.27.004304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Influence of the curvature to the dispersion curves of submerged cylindrical shell**

**Metsaveer, Jaan**; **Klauson, Aleksander** Third International Congress on Air- and Structure-borne Sound and Vibration, June 13-15, 1994, Montreal, Canada : proceedings. Vol. 1 1994 / p. 117-122: ill

### **Internal scales and dispersive properties of microstructured materials**

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

### **Korteweg-de Vries soliton detection from a harmonic input**

**Salupere, Andrus**; Maugin, Gerard; **Engelbrecht, Jüri** Physics letters A 1994 / p. 5-8 <https://www.sciencedirect.com/science/article/abs/pii/0375960194910065>

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

### **Nonlinear acoustic NDE-qualitative and quantitative effects**

**Engelbrecht, Jüri; Ravasoo, Arvi; Janno, Jaan** Multifunctional materials and structures : selected, peer reviewed papers from International Conference on Multifunctional Materials and Structures : July 28-31, 2008, Hong Kong, P.R.China 2008 / p. 17-20  
<https://www.scientific.net/AMR.47-50.17>

### **Nonlinear dispersive wave equations for microstructured solids**

**Berezovski, Arkadi** Proceedings of the Estonian Academy of Sciences 2015 / p. 203-211 [https://artiklid.elnet.ee/record=b2740520\\*est](https://artiklid.elnet.ee/record=b2740520*est)

### **Numerical analysis of solitonic structures in systems with higher-order dispersion and nonlinearity**

**Salupere, Andrus; Engelbrecht, Jüri;** Ilison, Olari; Maugin, Gerard Abstracts of the European Conference on Computational Mechanics - ECCM '99 : August 31-September 3, 1999, Munich, Germany 1999 / p. 274-275

### **Numerical analysis of solitonic structures in systems with higher-order dispersion and nonlinearity [Electronic resource]**

**Salupere, Andrus; Engelbrecht, Jüri;** Ilison, Olari; Maugin, Gerard Proceedings of the European Conference on Computational Mechanics - ECCM '99 : August 31-September 3, 1999, Munich, Germany 1999 / [17] p. [CD-ROM]

### **On dispersion properties of surface motions in the Gulf of Finland**

**Soomere, Tarmo; Viidebaum, Mikk; Kalda, Jaan** Proceedings of the Estonian Academy of Sciences 2011 / 4, lk. 269-279 : ill

### **On mathematical modelling of solitary pulses in cylindrical biomembranes**

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

### **On propagation of solitons in media with higher order dispersion**

Ilison, Olari; **Salupere, Andrus** Proceedings of the 15th Nordic Seminar on Computational Mechanics 2002 / p. 177-180  
[https://kirj.ee/wp-content/plugins/kirj/pub/phys-1-2003-135-144\\_20211017143919.pdf](https://kirj.ee/wp-content/plugins/kirj/pub/phys-1-2003-135-144_20211017143919.pdf)

### **On solitonic solutions for the hyperelastic rod equation**

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

### **On solitonic structures in nonconservative dispersive media**

**Salupere, Andrus; Kukk, Martti** Abstract book : Finno-Ugric International Conference on Mechanics : FUDOM 2001, May 27-June 2, Ráckeve/Budapest, Hungary 2001 / ? p

### **On solutions of a Boussinesq-type equation with displacement-dependent nonlinearities : the case of biomembranes**

**Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel** Philosophical magazine 2017 / p. 967-987 : ill  
<https://doi.org/10.1080/14786435.2017.1283070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

**Peets, Tanel; Tamm, Kert; Simson, Päivo; Engelbrecht, Jüri** Wave motion 2019 / p. 10-17  
<https://doi.org/10.1016/j.wavemoti.2018.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

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

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

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

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

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

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

### **On the role of nonlinearities in the Boussinesq-type wave equations**

**Peets, Tanel; Tamm, Kert; Engelbrecht, Jüri** Wave motion 2017 / p. 113-119 : ill <https://doi.org/10.1016/j.wavemoti.2016.04.003>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On the stability of a microstructure model**

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

### **Periodic waves in microstructured solids and inverse problems**

**Sertakov, Ivan; Janno, Jaan** Mathematical modelling and analysis 2012 / p. 599-617  
[https://www.researchgate.net/publication/261695332\\_Periodic\\_Waves\\_in\\_Microstructured\\_Solids\\_and\\_Inverse\\_Problems](https://www.researchgate.net/publication/261695332_Periodic_Waves_in_Microstructured_Solids_and_Inverse_Problems)

### **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)

### **Reflections on mathematical models of deformation waves in elastic microstructured solids**

**Engelbrecht, Jüri; Berezovski, Arkadi** Mathematics and Mechanics of Complex Systems 2015 / p. 43 - 82  
<https://doi.org/10.2140/memocs.2015.3.43>

### **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

### **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 systems with a quartic potential and higher-order dispersion**

**Salupere, Andrus; Maugin, Gerard; Engelbrecht, Jüri** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1997 / 1/2, p. 118-127

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

**Peipman, Tõnu** 1984 [http://www.ester.ee/record=b1235307\\*est](http://www.ester.ee/record=b1235307*est)

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

**Peipman, Tõnu** 1984 [http://www.ester.ee/record=b2425591\\*est](http://www.ester.ee/record=b2425591*est)

### **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>