

### **Alternative equations of magnetophotoelasticity and approximate solution of the inverse problem**

**Ainola, Leo**; Aben, Hillar Journal of the Optical Society of America A, Optics image science and vision 2002 / 9, p. 1886-1893

### **An analogy between the spin-2 and superspin-3/2 equations of motion**

**Loide, Rein-Karl** Journal of physics. A. Mathematical and general 1985 / p. 2833-2847 [https://www.ester.ee/record=b2318274\\*est](https://www.ester.ee/record=b2318274*est)  
<https://iopscience.iop.org/article/10.1088/0305-4470/18/14/032/pdf>

### **Arvutusmeetodid**

**Vaarmann, Otu** 2005 [http://www.ester.ee/record=b2067873\\*est](http://www.ester.ee/record=b2067873*est)

### **Assessment of pavement structural strength by the falling weight deflectometer**

**Aavik, Andrus**; Paabo, Priit; Kaal, Tiit The Baltic journal of road and bridge engineering 2006 / 4, p. 193-199 : ill <https://bjrbe-journals.rtu.lv/bjrbe/article/view/1822-427X.2006.4.193%E2%80%93199>

### **Backstepping-based output feedback boundary control for coupled fractional reaction-diffusion systems**

Zhuang, Bo; Cui, Bao-Tong; Lou, Xu-Yang; **Chen, Juan** Zidonghua Xuebao/Acta Automatica Sinica 2022 / p. 2729 - 2743  
<https://doi.org/10.16383/j.aas.c190389> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Bhabha relativistic wave equations**

**Loide, Rein-Karl**; Ots, I.; Saar, R. Journal of physics A : mathematical and general 1997 / p. 4005-4017

### **Bifurcation structure of a driven van der Pol-type equation**

Hertzen, R. von; **Kongas, Olav**; **Engelbrecht, Jüri** Proceedings of the 6th Finnish Mechanics Days, September 5-6, 1997, Oulu, Finland 1997 / p. 419-435: ill

### **Bifurcation structure of a periodically driven nerve pulse equation modelling cardiac contraction**

**Kongas, Olav**; Hertzen, R. von; **Engelbrecht, Jüri** Chaos, solitons & fractals 1999 / 1, p. 119-136

### **Cardiac dynamics involving arrhythmias and continuum mechanics**

**Engelbrecht, Jüri**; Vendelin, Marko; **Kongas, Olav**; Hertzen, R. von Trends in continuum physics TRECOP 98 1999 / p. 113-118  
<https://research.aalto.fi/en/publications/cardiac-dynamics-involving-arrhythmias-and-continuum-mechanics>

### **CCM operation analysis of the single-phase three-level quasi-Z-source inverter**

**Husev, Oleksandr**; Roncero-Clemente, Carlos; **Stepenko, Serhii**; **Vinnikov, Dmitri**; Romero-Cadaval, Enrique 15th International Power Electronics and Motion Control Conference, EPE-PEMC 2012 ECCE Europe, Novi Sad, Serbia 2012 / p. DS1b.21-1-DS1b.21-6 : ill <https://ieeexplore.ieee.org/document/6397221>

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

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

<https://www.sciencedirect.com/science/article/pii/S0375960113005288> <https://doi.org/10.1016/j.physleta.2013.05.040> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comments on “When retarded nonlinear time-delay systems admit an input–output representation of neutral type” [Automatica 49 (2013) 561–567]**

**Kaldmäe, Arvo** Automatica 2023 / art. 110797, 2 p <https://doi.org/10.1016/j.automatica.2022.110797> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comparison of methods for solving the Schrödinger equation for multi-quantum well heterostructure applications**

**Udal, Andres**; **Reeder, Reeno**; **Velmre, Enn**; Harrison, Paul Proceedings of the Estonian Academy of Sciences. Engineering = Eesti Teaduste Akadeemia toimetised. Tehnikateadused 2006 / p. 246-261 : ill [https://www.ester.ee/record=b1072102\\*est](https://www.ester.ee/record=b1072102*est)

### **Corrected accounting of electron-hole scattering in cross-term current equations for Si and SiC**

**Velmre, Enn**; **Udal, Andres** Physica scripta 1999 / p. 193-197 : ill <https://ui.adsabs.harvard.edu/abs/1999PhST...79..193V/abstract>  
<http://doi.org/10.1238/Physica.Topical.079a00193>

### **Corrected accounting of electron-hole scattering in cross-term current equations for Si and SiC**

**Velmre, Enn**; **Udal, Andres** 18th Nordic Semiconductor Meeting, Linköping, June 7-10, 1998 : abstracts 1998 / p. F-88: ill  
<https://iopscience.iop.org/article/10.1238/Physica.Topical.079a00193>

### **De Sitter group and relativistic wave equations**

**Loide, Rein-Karl**; Ots, I.; Saar, R. Hadronic journal 1997 / p. 503-521

### **Detecting anisotropic inclusions through EIT**

Cristina, Jan; **Päivärinta, Lassi Juhani** Archive for rational mechanics and analysis 2017 / p. 1139-1160

<https://doi.org/10.1007/s00205-017-1151-y> [Journal metric at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Detecting anisotropic inclusions through EIT [Online resource]**

Cristina, Jan; Päivärinta, Lassi Juhani arXiv.org 2016 / p. 1-18 <https://arxiv.org/abs/1511.01233v2>

### **Discussion: Shuy, E.B. Approximate wall shear equation for unsteady laminar pipe flows, Journal of Hydraulic Research, Vol. 33, No. 4, 1995, p. 457-469**

Ainola, Leo; Liiv, Uno Journal of hydraulic research 1996 / 3, p. 430-432

### **Dynamical Poincare algebra and minimal-gauge-coupling prescription**

Ots, I.; Saar, R.; Loide, Rein-Karl; Vili, R. Proceedings of the 3rd Tallinn Symposium on the Neutrino Physics : 8-11 October 1995, Lohusalu, Estonia 1995 / p. 168-173

### **'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

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

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

### **Equations for a vector-bispinor**

Loide, Rein-Karl Journal of physics. A. Mathematical and general 1984 / p. 2535-2550 [https://www.ester.ee/record=b2318274\\*est](https://www.ester.ee/record=b2318274*est) <https://iopscience.iop.org/article/10.1088/0305-4470/17/12/024/pdf>

### **Estimation of the improved method of grids and application for dynamic solution**

Arjassov, Gennadi; Baraškova, Tatjana; Gornostajev, Dmitri DAAAM International scientific book 2013 2013 / p. 571-586 : ill [https://www.daaam.info/Downloads/Pdfs/science\\_books\\_pdfs/2013/Sc\\_Book\\_2013-031.pdf](https://www.daaam.info/Downloads/Pdfs/science_books_pdfs/2013/Sc_Book_2013-031.pdf)

### **Experimental verification of DC/DC converter with full-bridge active rectifier**

Blinov, Andrei; Ivakhno, Volodymyr; Zamaruev, Vladimir; Vinnikov, Dmitri; Husev, Oleksandr IECON 2012 : 38th Annual Conference of the IEEE Industrial Electronics Society : Industrial Electronics for Sustainable Development 2012 / p. 5179-5184 : ill <https://ieeexplore.ieee.org/document/6389549>

### **Generalizations of the Dirac equation in covariant and Hamiltonian form**

Loide, Rein-Karl; Ots, I.; Saar, R. Journal of physics A : mathematical and general 2001 / p. 2031-2039 <https://iopscience.iop.org/article/10.1088/0305-4470/34/10/307>

### **Generalized Langevin equation with multiplicative noise : temporal behavior of the autocorrelation functions**

Mankin, Romi; Laas, Katrin; Sauga, Ako Physical review E 2011 / p. 061131 [10 p.] <https://journals.aps.org/pre/abstract/10.1103/PhysRevE.83.061131>

### **Global time evolution of an axisymmetric vortex ring at low Reynolds numbers**

Fukumoto, Yasuhide; Kaplanski, Felix Physics of fluids 2008 / p. 053103-1 - 053103-13 : ill <https://pubs.aip.org/aip/pof/article/20/5/053103/964428/Global-time-evolution-of-an-axisymmetric-vortex>

### **Global time evolution of an axisymmetric vortex ring at small Reynolds number**

Kaplanski, Felix; Fukumoto, Yasuhide ICTAM2008 Adelaide : XXII International Congress of Theoretical and Applied Mechanics : abstracts book 2008 / p. 73 <https://pubs.aip.org/aip/pof/article/20/5/053103/964428/Global-time-evolution-of-an-axisymmetric-vortex>

### **Higher rank representations and causality**

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

### **Higher-spin equations with variable mass and spin and causality**

Loide, Rein-Karl; Ots, Ilmar; Saar, Rein; Liivat, H. Hadronic journal 2003 / p. 193-202 <https://inspirehep.net/literature/634889>

### **Influence of memory time on the resonant behavior of an oscillatory system described by a generalized Langevin equation**

Laas, Katrin; Mankin, Romi; Reiter, Eerik International journal of mathematical models and methods in applied sciences 2011 / p. 280-289 : ill <https://www.semanticscholar.org/paper/Influence-of-memory-time-on-the-resonant-behavior-a-Laas-Mankin/12ead334af758d7d5472e77b3506604463202030>

### **Interaction of Kadomtsev-Petviashvili solitons with unequal amplitudes**

Soomere, Tarmo Physics letters A 2004 / p. 74-81 : ill <https://www.sciencedirect.com/science/article/pii/S037596010401299X>

### **Intersection between Bezier curves : implicitization conception**

Piroženko, Aleksander 1995 [https://www.ester.ee/record=b1067580\\*est](https://www.ester.ee/record=b1067580*est)

## Introduction

**Berezovski, Arkadi;** Ván, Peter Internal variables in thermoelasticity 2017 / p. 21-33 [https://doi.org/10.1007/978-3-319-56934-5\\_2](https://doi.org/10.1007/978-3-319-56934-5_2)  
[Article collection metrics at Scopus](#) [Article at Scopus](#)

## An inverse problem for a generalized fractional derivative with an application in reconstruction of time- and space-dependent sources in fractional diffusion and wave equations

**Kinash, Nataliia;** Janno, Jaan Mathematics 2019 / art. 1138, p. 1-16 <https://doi.org/10.3390/math7121138> [Journal metrics at Scopus](#)  
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Inverse problem to determine an order of derivative and a source term in a time fractional diffusion equation from final measurements

**Janno, Jaan;** Kinash, Nataliia Mathematical Modelling and Analysis : 23rd international conference, May 29 - June 1, 2018, Sigulda, Latvia : abstracts 2018 / p. 30

## Inverse problem to determine two time-dependent source factors of fractional diffusion-wave equations from final data and simultaneous reconstruction of location and time history of a point source

**Janno, Jaan** Mathematics 2023 / art. 456, 17 p <https://doi.org/10.3390/math11020456> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

## Inverse problems for a subdiffusion equation with final overdetermination

**Kinash, Nataliia;** Janno, Jaan Mathematical Modelling and Analysis : 23rd international conference, May 29 - June 1, 2018, Sigulda, Latvia : abstracts 2018 / p. 34

## Inverse problems with unknown boundary conditions and final overdetermination for time fractional diffusion-wave equations in cylindrical domains

**Janno, Jaan** Mathematics 2021 / art. 2541, 22 p <https://doi.org/10.3390/math9202541> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

## Jõusüsteemi tsentraalteljest

**Eessalu, A.;** Relvik, Heino XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 79-80 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

## Keti dünaamika

**Kärner, A.;** Topnik, Endel XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 79-80 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

## Klassikalise mehaanika modifikatsioonidest

**Otsmann, T.;** Silde, Oskar XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 81 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

## Lavrent'ev regularization of ill-posed problems containing nonlinear near-to-monotone operators with application to autoconvolution equation

**Janno, Jaan** Inverse problems 2000 / p. 333-348 : ill <https://iopscience.iop.org/article/10.1088/0266-5611/16/2/305/meta>

## Mal'tsev algebras and triality

**Paal, Eugen** Journal of physics : conference series 2012 / p. 012015 <https://iopscience.iop.org/article/10.1088/1742-6596/346/1/012015>

## Massive spin-0 and spin-1 wave equations. 1, Second-order equations

**Loide, Rein-Karl** 1987 [https://www.ester.ee/record=b1260527\\*est](https://www.ester.ee/record=b1260527*est)

## Massive spin-0 and spin-1 wave equations. 2., First-order equations

**Loide, Rein-Karl** 1987 [https://www.ester.ee/record=b1260530\\*est](https://www.ester.ee/record=b1260530*est)

## Massive superfield equations of motion

**Suurvarik, Pavel** XV International Colloquium on Integrable Systems and Antum Symmetries : Prague, June 15-17, 2006 : book of abstracts 2006 / p. 23

## Massless integer-helicity gauge fields

**Loide, Rein-Karl;** Ots, I.; Saar, J. Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1992 / 4, lk. 270-282

## Massless spin-5/2 wave equations

**Loide, Rein-Karl** Journal of physics. A. Mathematical and general 1986 / p. 811-820 [https://www.ester.ee/record=b2318274\\*est](https://www.ester.ee/record=b2318274*est)  
<https://iopscience.iop.org/article/10.1088/0305-4470/19/5/034/pdf>

## 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](#)

### **Modified constitutive equation for quasi-linear theory of viscoelasticity**

**Ravasoo, Arvi** Journal of engineering mathematics 2013 / p. 111-118 <https://doi.org/10.1007/s10665-011-9473-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Monotonous difference scheme for energy flow continuity equation taking into account capacity of Lorentz force**

Rimshans, J. BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 539-544 [https://www.ester.ee/record=b2150914\\*est](https://www.ester.ee/record=b2150914*est)

### **Moufang loops and generalized Lie equations**

**Paal, Eugen** Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1992 / 2, lk. 125-132

### **Moufang loops and generalized Maurer-Cartan equations**

**Paal, Eugen** 11-th International Conference "Symmetry Methods in Physics" 2004 / [1] p

### **Moufang loops and generalized Maurer-Cartan equations**

**Paal, Eugen** International Conference "Non-commutative Geometry and Representation Theory in Mathematical Physics" 2004 / [1] p

### **Moufang loops and integrability of generalized Lie equations**

**Paal, Eugen** Czechoslovak journal of physics 2004 / 11, p. 1375-1380 <https://link.springer.com/article/10.1007/s10582-004-9804-0>

### **Moufang loops and integrability of generalized Lie equations**

**Paal, Eugen** Abstr. XIII Int.Coll. "Integrable Systems and Quantum Groups" 2004 / p. 17-19

### **Moufang loops and Lie algebras**

**Paal, Eugen** Abstracts : 12th International Colloquium Quantum Groups and Integrable Systems : Prague, 2003 2003 <https://link.springer.com/article/10.1023/B:CJOP.0000010540.18158.dc>

### **Neuro-fuzzy dynamic pole placement control of nonlinear discrete-time systems**

**Belikov, Juri; Petlenkov, Eduard** Proceedings of International Joint Conference on Neural Networks : San Jose, California, USA, July 31 – August 5, 2011 2011 / p. 1577-1582 : ill <https://ieeexplore.ieee.org/document/6033412>

### **Note on analytic Moufang loops**

**Paal, Eugen** Abstracts of International Conference : Loop'03 : Prague, 2003 2003 <https://eudml.org/doc/249351>

### **Note on analytic Moufang loops**

**Paal, Eugen** Commentationes mathematicae Universitatis Carolinae 2004 / 2, p. 349-354 <https://eudml.org/doc/249351>

### **A novel high-voltage half-bridge converter with phase-shifted active rectifier [Electronic resource]**

**Blinov, Andrei; Ivakhno, Volodymyr; Zamaruev, Vladimir; Vinnikov, Dmitri; Husev, Oleksandr** 2012 IEEE International Conference on Industrial Technology : proceedings CD 2012 / p. 967-970 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6210062>

### **On conformally covariant spin 3/2 and spin 2 equations**

**Loide, Rein-Karl** Journal of physics. A. Mathematical and general 1986 / p. 827-829 [https://www.ester.ee/record=b2318274\\*est](https://www.ester.ee/record=b2318274*est) <https://iopscience.iop.org/article/10.1088/0305-4470/19/5/037/pdf>

### **On identical traveling-wave solutions of the Kudryashov-Sinelshchikov and related equations**

**Randrüüt, Merle; Braun, Manfred** International journal of non-linear mechanics 2014 / p. 206-211 : ill <https://doi.org/10.1016/j.ijnonlinmec.2013.09.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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 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 retarded Green's function for covariant Klein-Gordon equation**

Mankin, Romi; **Sauga, Ako** Tallinna Tehnikaülikooli Toimetised 1992 / lk. 59-70: ill

### **On superfield equations of motions**

**Loide, Rein-Karl**; Ots, Ilmar; Saar, Rein; **Suurvarik, Pavel** Hadronic journal 2004 / p. 151-163

### **On the acausality of spin 3/2 wave equations**

**Loide, Rein-Karl** Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1983 / lk. 172-178  
[https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

### **On the alternative equations of water hammer**

**Koppel, Tiit; Ainola, Leo** Proceedings of 32nd Congress of IAHR : Venice, Italy, July 1-6, 2007 2007 / [9] p

### **On the application of the pseudospectral method for solving the Korteweg-de Vries equation**

**Salupere, Andrus** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1995 / 1, p. 73-87: ill

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

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

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

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

### **On the mass spectrum for some high-spin wave equations**

Kõiv, Madis; **Loide, Rein-Karl**; Saar, Rein 1982 [https://www.ester.ee/record=b1309190\\*est](https://www.ester.ee/record=b1309190*est)

### **On the relativistic tidal effects in the second approximation**

**Mullari, Tanel**; Tammelo, R. Classical and quantum gravity 2006 / 12, p. 4047-4067

[https://www.researchgate.net/publication/230975273\\_On\\_the\\_relativistic\\_tidal\\_effects\\_in\\_the\\_second\\_approximation](https://www.researchgate.net/publication/230975273_On_the_relativistic_tidal_effects_in_the_second_approximation)

### **On the spinor superfield equations of motion**

**Loide, Rein-Karl; Suurvarik, Pavel** 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 1984 / lk. 188-196 [https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

### **Operadic deformation as a tool for cogravity**

**Paal, Eugen** Abstracts of 11th International Colloquium "Quantum groups and Integrable Systems" 2002 / ? p

<https://link.springer.com/article/10.1023/A:1021397306799>

### **Operadic deformations as a tool for cogravity**

**Paal, Eugen** Czechoslovak journal of physics 2002 / 11, p. 1277-1282 <https://link.springer.com/article/10.1023/A:1021397306799>

### **Operadic Heisenberg-like equation**

**Paal, Eugen** Graph Operad Logic X 2013

### **Parameetritega võrrandid**

**Levin, Aleksander** 1986 [https://www.ester.ee/record=b1233786\\*est](https://www.ester.ee/record=b1233786*est)

### **Physical parameters for a class of high-spin wave equations**

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

### **Poincare' realizations and wave equations**

**Loide, Rein-Karl**; Ots, I.; Saar, R. Hadronic journal 1994 / 6, p. 565-583

### **Popov form and the explicit equations of inverse systems**

Bartosiewicz, Zbigniew; **Kotta, Ülle**; Pawluszewicz, Ewa; Tõnso, Maris; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences 2018 / p. 432-355 : ill [http://www.kirj.ee/public/proceedings\\_pdf/2018/issue\\_4/proc-2018-4-342-355.pdf](http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-342-355.pdf)

<https://doi.org/10.3176/proc.2018.4.04> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **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> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Pöördülesanne tuletise järgu ja allikafunktsiooni määramiseks murrulise tuletisega difusioonivõrrandis lõpphetkel tehtud mõõtmiste põhjal**

Janno, Jaan; Kinash, Nataliia Aastaraamat 2017 / Eesti Matemaatika Selts 2018 / lk. 54-68 [https://www.ester.ee/record=b1226018\\*est](https://www.ester.ee/record=b1226018*est)

**Quantum counterparts of three-dimensional real Lie algebras over harmonic oscillator**

Paal, Eugen; Virkepu, Jüri Central European journal of physics 2009 / [7] p <https://www.degruyter.com/document/doi/10.2478/s11534-009-0123-8/html?lang=en>

**Reconstruction of an order of derivative and a source term in a fractional diffusion equation from final measurements**

Janno, Jaan; Kinash, Nataliia Inverse problems 2018 / art. 025007, 19 p. : ill <https://doi.org/10.1088/1361-6420/aaa0f0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Relativistic wave equations with weak discrete symmetries and new algebras**

Loide, Rein-Karl; Ots, I.; Saar, R.; Kiirane, K. TU Wien, WigSym 5, 25-29 Aug. 1997 : program & abstracts 1997 / p. 67

**Response characteristics of a cardiac nerve pulse equation stimulated periodically by Dirac delta spikes**

Engelbrecht, Jüri; Kongas, Olav; Herten, R. von International Conference on Self-Organization of Complex Structures : From Individual to Collective Dynamics, Berlin, 24-28 September, 1995 : book of abstracts 1995 / p. 35

**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)

**Single mass equations for an antisymmetric tensor-bispinor**

Loide, Rein-Karl; Kõiv, Madis; Saar, Rein Journal of physics. A. Mathematical and general 1983 / p. 463-467 [https://www.ester.ee/record=b2318274\\*est](https://www.ester.ee/record=b2318274*est) <https://iopscience.iop.org/article/10.1088/0305-4470/16/3/006/pdf>

**Soliton ensembles and solitonic structures**

Engelbrecht, Jüri; Salupere, Andrus Applicable analysis 2012 / p. 237-250 : ill <https://www.tandfonline.com/doi/full/10.1080/00036811.2011.608253>

**Solitonic structures in KdV-based higher-order systems**

Salupere, Andrus; Engelbrecht, Jüri; Maugin, Gerard Wave motion 2001 / p. 51-61 <https://www.sciencedirect.com/science/article/pii/S0165212501000695>

**Solitonide formeerumine ja interakteerumine**

Salupere, Andrus; Engelbrecht, Jüri; Peterson, Pearu Biotoopia : Bioloogia. Tehnoloogia. Utopia. : Sorose Kaasaegse Kunsti Eesti Keskuse 3. aastanäitus, 22. november - 17. detsember 1995 1996 / 2 lk.: ill

**Solving large systems of logical equations**

Zakrevskij, Arkadij D 2013 [http://www.ester.ee/record=b3000573\\*est](http://www.ester.ee/record=b3000573*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 relativistically invariant equations**

Loide, Rein-Karl 1972 [https://www.ester.ee/record=b1356354\\*est](https://www.ester.ee/record=b1356354*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)

**Spin-3 wave equations**

Loide, Rein-Karl; Polt, Alar 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 1988 / lk. 322-325 [https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

**State-space control of nonlinear systems identified by ANARX and neural network based SANARX models**

Vassiljeva, Kristina; Petlenkov, Eduard; Belikov, Juri The 2010 International Joint Conference on Neural Networks (IJCNN) : 18-23 July 2010, Barcelona : proceedings 2010 / p. 3816-3823 : ill <https://ieeexplore.ieee.org/document/5596581>

### **Superfield equations for N=1 massive multiplets**

**Suurvarik, Pavel; Loide, Rein-Karl** Czechoslovak journal of physics 2006 / p. 1299-1304  
<https://link.springer.com/article/10.1007/s10582-006-0441-7>

### **Supermultiplets and relativistic problems : Bhabha equations in Hamiltonian form**

**Loide, Rein-Karl; Ots, Ilmar; Saar, Rein** Algebras, groups and geometries 2001 / 4, p. 445-460

### **Symbolic solution algorithms of mechanic matrix equations**

**Arjassov, Gennadi; Baraškova, Tatjana; Petritšenko, Andres** Annals of DAAAM for 2009 & proceedings of the 20th International DAAAM Symposium "Intelligent Manufacturing & Automation : Focus on Theory, Practice and Education" : 25-28th November 2009, Vienna, Austria 2009 / p. 1701-1702 : ill

### **Symbolic solutions algorithms of mechanic matrix equations**

**Arjassov, Gennadi** OST-98 Symposium on Machine Design, Oulanka, Finland, October 1-3, 1998 : proceedings 1998 / p. 119-122

### **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)

### **Tehnoloogilist skeemi kirjeldavate võrrandite koostamine ja analüüs : metoodiline juhend**

1987 [https://www.ester.ee/record=b1225753\\*est](https://www.ester.ee/record=b1225753*est)

### **The operadic modeling of gauge systems of the Yang-Mills type**

**Paal, Eugen** Reports on mathematical physics 2014 / p. 109-126 : ill [https://doi.org/10.1016/S0034-4877\(14\)60061-6](https://doi.org/10.1016/S0034-4877(14)60061-6) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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](#)

### **Thermomechanical single internal variable theory**

**Berezovski, Arkadi; Ván, Peter** Internal variables in thermoelasticity 2017 / p. 35-58 [https://doi.org/10.1007/978-3-319-56934-5\\_3](https://doi.org/10.1007/978-3-319-56934-5_3)  
[Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Three-rate neural control of UAV with coaxial rotor and ducted fan configuration for enhanced situational awareness**

**Astrov, Igor; Pedai, Andrus** 2012 International Conference on Control, Automation and Information Sciences (ICCAIS) : [Ho Chi Minh City, Vietnam, November 26-29, 2012 : proceedings] 2012 / p. 78-83 : ill <https://ieeexplore.ieee.org/document/6466634>

### **Transformation equations in polarization optics of inhomogeneous birefringent media**

**Ainola, Leo; Aben, Hillar** Journal of the Optical Society of America A, Optics image science and vision 2001 / 9, p. 2164-2170 : ill  
<https://pubmed.ncbi.nlm.nih.gov/11551050/>

### **Transformation equation in three-dimensional photoelasticity**

**Ainola, Leo; Aben, Hillar** Journal of the Optical Society of America A, Optics image science and vision 2006 / 3, p. 741-746

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

### **Using transient flow equations for modelling of filling and emptying of the large-scale pipeline**

**Koppel, Tiit; Laanearu, Janek; Annus, Ivar; Raidmaa, Meelis** Water Distribution System Analysis 2010 : WDSA2010 : Tucson, AZ, USA, Sept. 12-15, 2010 / [9] p.: ill <https://ascellibrary.org/doi/10.1061/41203%28425%2912>

### **Vahevõrrandite kasutamisest majandusprobleemide modelleerimisel**

**Vensel, Vello** Põllumajanduse ökonomika ja organiseerimine 1977 / lk. 70-75 [https://www.ester.ee/record=b1294104\\*est](https://www.ester.ee/record=b1294104*est)

### **Varrassüsteemide võnkumine. EST-meetod**

**Lahe, Andres** 2018 <https://digi.lib.ttu.ee/79708> [https://www.ester.ee/record=b4769813\\*est](https://www.ester.ee/record=b4769813*est)

### **Wave equations in mechanics**

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

### **Wave interaction in weakly inhomogeneous materials**

**Braunbrück, Andres** 2005 [http://www.ester.ee/record=b2045300\\*est](http://www.ester.ee/record=b2045300*est)

## Weak inverse problems for parabolic integro-differential equations containing two kernels

**Kasemets, Kairi; Janno, Jaan** Electronic journal of differential equations 2014 / p. 1-19

<https://ejde.math.txstate.edu/Volumes/2014/176/kasemets.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## Viriaali omadusi

**Jõgi, T.; Relvik, Heino** XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110.

sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 78-79 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

## Võimaliku võimsuse võrrand staatikas

**Ross, U.; Relvik, Heino** XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110.

sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 77-78 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

## Аппроксимирующие уравнения для граничных паросодержаний в змеевиках

**Klevtsov, Ivan** Теплоэнергетика 1995 / 3, с. 50-54: ил

## Безмассовые уравнения для антисимметричного тензорного поля

**Loide, Rein-Karl** Известия высших учебных заведений. Физика 1987 / с. 95-99 [https://www.ester.ee/record=b2144782\\*est](https://www.ester.ee/record=b2144782*est)

## Задача о движении системы двухколесных скатов методом уравнения возможных мощностей

**Jankelevič, M.; Silde, Oskar** 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. 13 [https://www.ester.ee/record=b1379468\\*est](https://www.ester.ee/record=b1379468*est)

## Инвариантные уравнения и представления $(n,0)$ группы де Ситтера

**Loide, Kadrin; Loide, Rein-Karl** Труды по физике : сборник статей. 7 1975 / с. 3-11 : илл [https://www.ester.ee/record=b2190700\\*est](https://www.ester.ee/record=b2190700*est)

<https://digikogu.taltech.ee/et/Item/bf8b5df4-d382-41b8-b242-1b2db192e257>

## Интерационные методы с параметрической последовательностью

**Fleiderviš, Mihhail** Методы регуляризации некорректных задач = Mittekorrektsete ülesannete reguleerimise meetodid 1987 / с.

107-113 [https://www.ester.ee/record=b1315751\\*est](https://www.ester.ee/record=b1315751*est)

## Исследование эффективности приема Ричардсона при численном интегрировании уравнения

### теплопроводности методом сеток

**Mikomägi, Helen; Tammeraid, Ivar** 35 научная конференция студентов вузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы

: [Таллинн, 1991] : доклады. Секция математики [и др.] 1991 / с. 17-20

## Исходные уравнения для реализации вещественных нулей в адъонктах RC-трёхполюсника

**Männama, Vello; Sillamaa, Hanno** Труды по электротехнике и автоматике : сборник статей. 12 1974 / с. 13-22 : илл

[https://www.ester.ee/record=b2190668\\*est](https://www.ester.ee/record=b2190668*est) <https://digikogu.taltech.ee/et/Item/57b94a1f-6879-4443-b6f2-322fd7e53d89>

## К методам интегрирования уравнений неустановившегося движения жидкости в трубах

**Ainola, Leo; Liiv, Uno** Прогнозирование и регулирование качества воды и водоемов и исследование методов очистки

природных и сточных вод 1978 / с. 63-72 [https://www.ester.ee/record=b1499379\\*est](https://www.ester.ee/record=b1499379*est) <https://digikogu.taltech.ee/et/Item/0f942b52-ffe6-48f6-bb86-0ab5235b554c>

## К расчету неизотермического объемного излучения

**Mikk, Ilmar** 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 1973 / lk. 296-303

[https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

## Калибровочно-инвариантные уравнения для симметричного тензорного поля

**Loide, Rein-Karl; Polt, Alar** Точные решения уравнений гравитационного поля и их физическая интерпретация : (тезисы

докладов Второго всесоюзного научного семинара, Тарту, 26-28 января 1988 г.) 1988 / с. 123-124

[https://www.ester.ee/record=b1222375\\*est](https://www.ester.ee/record=b1222375*est)

## Калибровочные уравнения для спиральности нуля

**Loide, Rein-Karl; Ots, Ilmar; Saar, Rein** Фундаментальные поля : [посвящается 60-летию М. Кыйва] 1989 / с. 45-51

[https://www.ester.ee/record=b1292565\\*est](https://www.ester.ee/record=b1292565*est)

## Канонические гибридные матрицы омовских многополюсников

**Sillamaa, Hanno** Труды по электротехнике и автоматике : сборник статей. 11 1973 / с. 3-10

[https://www.ester.ee/record=b2190624\\*est](https://www.ester.ee/record=b2190624*est) <https://digikogu.taltech.ee/et/Item/d6e57925-e104-44e1-a218-c5b3110d9996>

## Кинетика односубстратных ферментативных реакций. Сообщение II, Определение коэффициентов обобщенного кинетического уравнения



**Siimer, Enn** Получение и свойства иммобилизованных ферментов 1980 / с. 15-21 [https://www.ester.ee/record=b1344307\\*est](https://www.ester.ee/record=b1344307*est)  
<https://digikogu.taltech.ee/et/Item/941191f5-8e17-4867-a354-18ae209ca577>

#### **Корректирование оценок параметров регрессионного уравнения**

**Vensel, Vello** Методологические проблемы изучения экономической эффективности производства 1978 / с. 145-155  
[https://www.ester.ee/record=b1314950\\*est](https://www.ester.ee/record=b1314950*est) <https://digikogu.taltech.ee/et/Item/2fb593d9-3346-46a7-91ed-cae6e8c3038b>

#### **Метод уравнения возможных мощностей**

**Silde, Oskar; Tiikma, Boris** Математика и теоретическая механика : сборник статей. 5 1970 / с. 95-106 : илл  
[https://www.ester.ee/record=b2189972\\*est](https://www.ester.ee/record=b2189972*est) <https://digikogu.taltech.ee/et/Item/3c00e8d1-e734-4bf3-b2a0-e0081b3050d2/>

#### **Метод уравнения возможной мощности в теории движения велосипеда**

**Haitin, Ariel** Пластичность конструкций : межвузовский сборник высших учебных заведений Эстонской ССР =  
Konstruktsioonide plastsus 1979 / с. 101-109 : ил [https://www.ester.ee/record=b1276381\\*est](https://www.ester.ee/record=b1276381*est)  
[https://dspace.ut.ee/bitstream/handle/10062/27945/487\\_konstruktsioonide\\_plasti.pdf?sequence=1&isAllowed=y](https://dspace.ut.ee/bitstream/handle/10062/27945/487_konstruktsioonide_plasti.pdf?sequence=1&isAllowed=y)

#### **Метод уравнения возможной мощности с применением объекта неголономности**

**Relvik, Heino; Silde, Oskar** Математика и теоретическая механика : сборник статей. 7 1973 / с. 63-74 : илл  
[https://www.ester.ee/record=b2190580\\*est](https://www.ester.ee/record=b2190580*est) <https://digikogu.taltech.ee/et/Item/21dbe945-8f82-454a-940e-322b3fdb756>

#### **Модели уравнений электродинамики для учета реакции биотел**

**Gurjanov, Boris** Методы и средства обработки сигналов при наличии шумов 1982 / с. 91-98  
[https://www.ester.ee/record=b1312255\\*est](https://www.ester.ee/record=b1312255*est) <https://www.etera.ee/zoom/121735/view?page=1&p=separate&search=true&tool=search>

#### **Моделирование транспортных уравнений в полупроводниках**

**Rang, Toomas** Исследования по прикладной квантовой электронике 1987 / с. 37-42

#### **Некоторые аспекты аналитического решения полуэмпирического уравнения диффузии**

**Lõhmussaar, H.** Сборник статей по санитарной технике. 7 1971 / с. 63-72 [https://www.ester.ee/record=b2085078\\*est](https://www.ester.ee/record=b2085078*est)  
<https://digikogu.taltech.ee/et/Item/53c66a62-49cf-4ac1-aac1-10a86184e25f/>

#### **Некоторые обобщения уравнений Манжерона-Делеану**

**Relvik, Heino** Прочность и оптимизация конструкций = Konstruktsioonide tugevus ja optimeerimine 1989 / с. 168-176  
[https://www.ester.ee/record=b1230060\\*est](https://www.ester.ee/record=b1230060*est)

#### **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>

#### **Некоторые результаты оптимизации ортотропной балки-стенки**

**Koppel, Peeter** Оптимальные системы и алгоритмы 1980 / с. 15-34 : илл [https://www.ester.ee/record=b1264423\\*est](https://www.ester.ee/record=b1264423*est)  
<https://digikogu.taltech.ee/et/Item/e16f197d-729e-4daf-a4a5-33f1c6b0a940>

#### **О выводе уравнений колебания струны и мембраны**

**Vikerpuur, R.; Relvik, Heino** XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 1, Общественные науки. Физико-математические науки. Строительство. Экономика 1981 / с. 73-74 : илл. [https://www.ester.ee/record=b1322624\\*est](https://www.ester.ee/record=b1322624*est)

#### **О выводе уравнений колебания струны и мембраны**

**Relvik, Heino** Исследования по динамике конструкций 1981 / с. 95-97 [https://www.ester.ee/record=b1309334\\*est](https://www.ester.ee/record=b1309334*est)

#### **О дисперсии в двумерных волновых процессах**

**Engelbrecht, Jüri** Исследования по динамике конструкций 1981 / с. 56-62 : рис [https://www.ester.ee/record=b1309334\\*est](https://www.ester.ee/record=b1309334*est)

#### **О корнях уравнения Лэмба для деформации плиты, антисимметричной относительно срединной поверхности**

**Nigul, Uno** Eesti NSV Teaduste Akadeemia toimetised. Füüsika-matemaatika- ja tehnikateaduste seeria = Известия Академии наук Эстонской ССР. Серия физико-математических и технических наук 1963 / с. 284-294 : ил  
[https://www.ester.ee/record=b1264320\\*est](https://www.ester.ee/record=b1264320*est) <https://www.etera.ee/zoom/18300/view?page=1&p=separate&tool=info>

#### **О некоторых точных решениях уравнений спектрального нестационарного переноса излучения**

**Andrejev, E.; Dumkina, Galina; Kozmanov, M.** Журнал вычислительной математики и математической физики 1981 / с. 1054-1055 [https://www.ester.ee/record=b2141983\\*est](https://www.ester.ee/record=b2141983*est)

#### **О некоторых управлениях аналитической механики и вариационного исчисления**

**Relvik, Heino** Оптимальное проектирование конструкций = Konstruktsioonide optimaalne projekteerimine 1988 / с. 121-135  
[https://www.ester.ee/record=b1220449\\*est](https://www.ester.ee/record=b1220449*est)

### О некоторых уравнениях аналитической механики

**Relvik, Heino** Математика и теоретическая механика : сборник статей. 9 1976 / с. 39-54 [https://www.ester.ee/record=b2190747\\*est](https://www.ester.ee/record=b2190747*est)  
<https://digikogu.taltech.ee/et/Item/a9fec951-ad1f-4ea0-91d9-9e641b529311>

### О применении уравнения возможной мощности в расчетах упругих тел

**Relvik, Heino** Прочность и оптимизация конструкций 1983 / с. 96-104 [https://www.ester.ee/record=b1714983\\*est](https://www.ester.ee/record=b1714983*est)

### О распаде систем канонических уравнений строительной механики

**Narets, Leo** 1957 [https://www.ester.ee/record=b1391677\\*est](https://www.ester.ee/record=b1391677*est) <https://digikogu.taltech.ee/et/Item/fb5c74ec-98ae-47e4-bd15-8396e3c36c47/>

### О расширении метода уравнения виртуальной мощности

**Golst, Georgi; Silde, Oskar** Динамика и оптимизация конструкции = Konstruktsioonide dünaamika ja optimeerimine 1987 / с. 165-172 : илл. [https://www.ester.ee/record=b1289025\\*est](https://www.ester.ee/record=b1289025*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 решении нестационарного уравнения переноса разностным методом

**Sõrmus, Ingrid; Tamme, Enn** 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 / lk. 275-285 [https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

### Об одной постановке задачи устойчивости движения на основе уравнения возможной мощности

**Haitin, Ariel** Tartu Ülikooli Toimetised 1992 / lk. 103-112

### Об одном типе регрессионных моделей, применяемых для статистического моделирования эффективности производства

**Vensel, Vello** Изучение эффективности производства 1981 / с. 77-87 [https://www.ester.ee/record=b1292917\\*est](https://www.ester.ee/record=b1292917*est)  
<https://digikogu.taltech.ee/et/Item/375f2b60-994f-4a06-b0ef-a1c9c759c3ee>

### Об уравнении Баба-Гупты

**Loide, Rein-Karl** Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1985 / lk. 319-320  
[https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

### Опыт применения в учебном процессе метода "Уравнение возможной мощности"

**Golst, Georgi; Relvik, Heino; Silde, Oskar** Сборник научно-методических статей по теоретической механике 1983 / с. 35-48  
[https://www.ester.ee/record=b1980420\\*est](https://www.ester.ee/record=b1980420*est)

### Основные вопросы аналитической механики : уравнение возможной мощности

**Golst, Georgi; Relvik, Heino; Silde, Oskar** 1979 [https://www.ester.ee/record=b1269862\\*est](https://www.ester.ee/record=b1269862*est)

### Основные уравнения связанной задачи термоупругости : автореферат ... кандидата физико-математических наук (01.02.04)

Szekeres, András 1987 [http://www.ester.ee/record=b1349124\\*est](http://www.ester.ee/record=b1349124*est)

### Основные уравнения связанной задачи термоупругости : диссертация ... кандидата физико-математических наук : 01.02.04 - механика деформируемого твердого тела

Szekeres, András 1987 [http://www.ester.ee/record=b2457064\\*est](http://www.ester.ee/record=b2457064*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)

### Преобразование Фолди-Ваутхойзена для уравнения типа U(1,3)

**Loide, Kadrin; Loide, Rein-Karl** Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1973 / lk. 99-101 [https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

### Приведение уравнения Вейнберга

**Loide, Rein-Karl** Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1973 / lk. 96-98  
[https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

**Применение интерполяционных кубических сплайнов при решении уравнения диффузии с учетом перепоглощения межзонного рекомбинационного излучения**

**Velme, Enn** Расчет и проектирование измерительных преобразователей 1983 / с. 51-55

[https://www.ester.ee/record=b1288985\\*est](https://www.ester.ee/record=b1288985*est) <https://digikogu.taltech.ee/et/Item/4e3815a3-f217-4ae2-9776-1b5ea3c25959>

**Применение метода УВМ к некоторым вопросам физики**

**Silde, Oskar; Haitin, Ariel** Прочность и оптимизация конструкций 1983 / с. 105-112 [https://www.ester.ee/record=b1714983\\*est](https://www.ester.ee/record=b1714983*est)

**Применение метода уравнения возможных мощностей в статике**

**Viitman, J.; Silde, Oskar** 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. 11 [https://www.ester.ee/record=b1379468\\*est](https://www.ester.ee/record=b1379468*est)

**Применение уравнения возможной мощности к исследованию устойчивости движения механических систем**

**Haitin, Ariel** Расчет и оптимизация конструкций = Konstruktsioonide arvutamine ja optimiseerimine 1985 / с. 109-117

[https://www.ester.ee/record=b1252449\\*est](https://www.ester.ee/record=b1252449*est) <http://hdl.handle.net/10062/33957>

**Принцип Даламбера и общее уравнение динамики**

**Maslov, A.; Nugis, V.; Silde, Oskar** XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 108 [https://www.ester.ee/record=b1306141\\*est](https://www.ester.ee/record=b1306141*est)

**Реализация представлений группы Пуанкаре конечномерными представлениями группы Лоренца : [депонированная рукопись]**

**Loide, Rein-Karl** 1988

**Решение уравнений вторичного электромагнитного поля торцовой асинхронной машины**

**Vares, N.; Samolevski, Georg** Труды по электротехнике и автоматике : сборник статей. 9 1971 / с. 103-110 : илл

[https://www.ester.ee/record=b2190156\\*est](https://www.ester.ee/record=b2190156*est) <https://digikogu.taltech.ee/et/Item/945ec07e-d7b0-466e-bc24-6ad904a829e9/>

**Суперполевое уравнение линеаризованной N=1 супергравитации**

**Loide, Rein-Karl; Suurvarik, Pavel** Фундаментальные поля : [посвящается 60-летию М. Кыйва] 1989 / с. 72-82

[https://www.ester.ee/record=b1292565\\*est](https://www.ester.ee/record=b1292565*est)

**Точное решение нелинейной системы уравнений энергии и нестационарного переноса излучения**

**Dumkina, Galina; Kozmanov, M.** Журнал вычислительной математики и математической физики 1979 / с. 1061-1063

[https://www.ester.ee/record=b2141983\\*est](https://www.ester.ee/record=b2141983*est)

**Уравнение возможной мощности в теории удара**

**Relvik, Heino** Механика твердого деформируемого тела = Tahke deformeeruva keha mehhaanika 1985 / с. 120-128 : илл

[https://www.ester.ee/record=b1230083\\*est](https://www.ester.ee/record=b1230083*est)

**Уравнение возможной мощности в аналитической механике**

**Silde, Oskar; Relvik, Heino** 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. 398-409 [https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

**Уравнение возможной мощности в теоретической механике : учебное пособие [для студентов технических специальностей]**

**Golst, Georgi; Relvik, Heino; Silde, Oskar** 1978 [https://www.ester.ee/record=b1272506\\*est](https://www.ester.ee/record=b1272506*est)

**Уравнение возможной мощности в теории удара**

**Relvik, Heino** Механика твердого деформируемого тела = Tahke deformeeruva keha mehhaanika 1984 / с. 120-128 : илл

[https://www.ester.ee/record=b1230083~S1\\*est](https://www.ester.ee/record=b1230083~S1*est) <https://dspace.ut.ee/handle/10062/33900>

**Уравнение линеаризованной супергравитации**

**Loide, Rein-Karl; Suurvarik, Pavel** Точные решения уравнений гравитационного поля и их физическая интерпретация : (тезисы докладов Второго всесоюзного научного семинара, Тарту, 26-28 января 1988 г.) 1988 / с. 120-122

[https://www.ester.ee/record=b1222375\\*est](https://www.ester.ee/record=b1222375*est)

**Уравнения движения возмущений ламинарного нестационарного течения сжимаемой жидкости в цилиндрической трубе**

**Ainola, Leo; Koppel, Tiit** Неустановившиеся процессы в системах водоснабжения и водоотведения 1983 / с. 37-45

[https://www.ester.ee/record=b1288813\\*est](https://www.ester.ee/record=b1288813*est) <https://digikogu.taltech.ee/et/Item/8421bbec-80f9-4a7b-bbfa-deb3bcfb3a68>

**Уравнения движения МГД-привода**

**Sakkos, Heinar; Lehtla, Tõnu; Tiismus, Hugo** Исследование и проектирование электромагнитных средств перемещения

жидких металлов : сборник статей. 12 1975 / с. 61-73 [https://www.ester.ee/record=b2100178\\*est](https://www.ester.ee/record=b2100178*est)  
<https://digikogu.taltech.ee/et/Item/08e6ff58-4252-400a-93ef-d04fd47cfc8d>

#### **Уравнения для одной массы**

**Loide, Rein-Karl** Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1974 / lk. 203-209  
[https://www.ester.ee/record=b1264310\\*est](https://www.ester.ee/record=b1264310*est)

#### **Уравнения квантовой физики**

**Kukk, Peeter-Enn; Loide, Rein-Karl; Reiter, Eerik** Вопросы методики преподавания квантовой физики в вузе 1988 / с. 10-15  
[https://www.ester.ee/record=b1220661\\*est](https://www.ester.ee/record=b1220661*est)

#### **Уравнения с добавочными условиями для высших спинов и неприводимые представления группы B2**

**Kõiv, Madis; Loide, Kadrin; Meitre, Johannes** Труды по физике : сборник статей. 5 1970 / с. 11-27 : илл  
[https://www.ester.ee/record=b2189960\\*est](https://www.ester.ee/record=b2189960*est) <https://digikogu.taltech.ee/et/Item/772a4309-c50e-4ac0-a978-642c38d7bfdd>

#### **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)

#### **Численное решение матричного уравнения Ляпунова**

**Raiend, Kullo** Расчет и проектирование приборов, устройств и систем технической кибернетики 1980 / с. 115-119  
[https://www.ester.ee/record=b1264145\\*est](https://www.ester.ee/record=b1264145*est) <https://digikogu.taltech.ee/et/Item/81bf2178-a9f8-417d-86c7-2000cca6a01e>