

### **Achieving accuracy in charge carrier mobility modelling in silicon**

Mnatsakanov, T.T.; Gresserov, B.N.; Pomortseva, L.I. Automation, simulation & measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991. Section S, Simulation = Automatiseerimine, modelleerimine ja mõõtmise : 3. rahvusvaheline konverents / Tallinna Tehnikaülikool 1992 / p. 89-94: ill [https://www.ester.ee/record=b1064031\\*est](https://www.ester.ee/record=b1064031*est)

### **Ameliorated quantum class topper optimization to solve economic load dispatch problems**

Gupta, Pradeep Kumar; Kumari Gupta, Anju; Tuttelberg, Kaur; Kilter, Jako 2024 3rd International Conference on Energy Transition in the Mediterranean Area (SyNERGY MED) 2024 / 5 p <https://doi.org/10.1109/SyNERGYMED62435.2024.10799422>

### **An explicit finite volume numerical scheme for 2D elastic wave propagation**

Berezovski, Mihail; Berezovski, Arkadi Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity 2019 / p. 257-280 [https://doi.org/10.1007/978-3-030-29951-4\\_12](https://doi.org/10.1007/978-3-030-29951-4_12) [https://www.ester.ee/record=b5303400\\*est](https://www.ester.ee/record=b5303400*est)

### **An introduction to mathematical modeling of the aerodynamic processes in air jet massage devices**

Tähemaa, Toivo Proceedings of the First National DAAAM Conference in Estonia : Science '95 1996 / p. 29-33: ill

### **Application of neural networks based SANARX model for identification and control liquid level tank system**

Belikov, Juri; Nõmm, Sven; Petlenkov, Eduard; Vassiljeva, Kristina 2013 12th International Conference on Machine Learning and Applications : ICMLA 2013 : 4-7 December 2013, Miami, Florida, USA : proceedings. Vol. 1 2013 / p. 246-251 : ill

### **Bidirectionality and compartmentation of metabolic fluxes are revealed in the dynamics of isotopomer networks**

Schryer, David; Peterson, Pearu; Paalme, Toomas; Vendelin, Marko International journal of molecular sciences 2009 / 4, p. 1697-1718 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2680642/>

### **B-spline based finite element method in one-dimensional discontinuous elastic wave propagation**

Kolman, Radek; Okrouhlik, M.; Berezovski, Arkadi; Gabriel, Dusan; Kopačka, J.; Plešek, J. Applied mathematical modelling 2017 / p. 382-395 : ill <https://doi.org/10.1016/j.apm.2017.01.077> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Canonical gradings of monads**

Breuvart, Flavien; McDermott, Dylan; Uustalu, Tarmo Proceedings of the 5th Annual International Applied Category Theory Conference (ACT 2022), Glasgow, United Kingdom, 18-22 July 2022 2023 / p. 1-21 <https://doi.org/10.4204/eptcs.380.1> [https://msp.cis.strath.ac.uk/act2022/papers/ACT2022\\_paper\\_4328.pdf](https://msp.cis.strath.ac.uk/act2022/papers/ACT2022_paper_4328.pdf) [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **CFD modelling of the tubular air preheater in boiler firing oil shale**

Nešumajev, Dmitri; Ots, Arvo Advances in heat transfer : proceedings of the 7th Baltic Heat Transfer Conference : Tallinn, Estonia, August 24-26, 2015 2015 / p. 257-262 : ill

### **A class of rapidly convergent iterative methods for problems in mathematical modelling**

Vaarmann, Otu Internationales Kolloquium über Anwendungen der Informatik und Mathematik in Architektur und Bauwesen, Bauhaus-Universität Weimar, 26.2-1.3.1997 1997 / [7] p

### **A cluster of many small holes with negative imaginary surface impedances may generate a negative refraction index**

Alsaedi, Ahmed; Ahmad, Bashir; Challa, Durga Prasad; Kirane, Mokhtar; Sini, Mourad Mathematical methods in the applied sciences 2016 / p. 3607-3622 : ill <https://doi.org/10.1002/mma.3805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Comment on "Solitons in the Heimburg-Jackson model of sound propagation in lipid bilayers are enabled by dispersion of a stiff membrane" by M. Drab et al.**

Peets, Tanel; Tamm, Kert; Engelbrecht, Jüri The European physical journal E 2023 / art. 34 <https://doi.org/10.1140/epje/s10189-023-00299-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **COMSPECT : a compact model for green vegetation reflectance spectra in the 400–900 nm wavelength range**

Udal, Andres; Jürise, Martin; Kaugerand, Jaanus; Sell, Raivo Proceedings of the Estonian Academy of Sciences 2020 / p. 277-286 : ill <https://doi.org/10.3176/proc.2020.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Constitutive modeling with single and dual internal variables**

Berezovski, Arkadi Entropy 2023 / art. 721, 26 p <https://doi.org/10.3390/e25050721> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Construction of flat outputs of nonlinear discrete-time systems in a geometric and an algebraic framework**

Kolar, Bernd; Kaldmäe, Arvo; Schöberl, Markus; Kotta, Ülle; Schlacher, Kurt IFAC-PapersOnLine 2016 / p. 796-801 <https://doi.org/10.1016/j.ifacol.2016.10.263> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Development the maintenance plan: maintenance activities on operational level**

Bjorklund, Sergey; Pribytkova, Marina; **Karaulova, Tatjana** Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 286-291

### **Digital shadow of an electric vehicle-permanent magnet synchronous motor drive for real-time performance monitoring**

**Mohamed, Mahmoud Ibrahim Hassanin; Rjabtsikov, Viktor; Rassolkin, Anton** Digital twins and applications 2025 / 12 p  
<https://doi.org/10.1049/dgt2.12024>

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

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

### **Dynamic state space model based analysis of a three-phase induction motor using nonlinear magnetization inductance**

**Asad, Bilal; Vaimann, Toomas; Rassolkin, Anton; Belahcen, Anouar** 19th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16 - 18 May 2018 2018 / p. 260-265 : ill  
<https://doi.org/10.1109/EPE.2018.8396039>

### **Easy to use empirical model for green vegetation reflection spectrum in VIS-NIR range**

**Udal, Andres; Jürise, Martin; Kaugerand, Jaanus; Sell, Raivo** SPIE digital library 2020 / art. 115240H-1-14  
<https://doi.org/10.1117/12.2570820> [Conference proceeding](#) [Article at Scopus](#) [Article at WOS](#)

### **Effects of vertical motions on roll of planing hulls**

**Dashtimanesh, Abbas; Tavakoli, Sasan; Mancini, Simone; Mehr, Javad A.; Milanese, Stefano** Journal of offshore mechanics and arctic engineering 2021 / p. 041401-041411 <https://doi.org/10.1115/1.4050210> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Elastic wave propagation in periodical one-dimensional problems: Accurate finite element modelling**

Kolman, Kolman; Cho, Sang Soo; Park, K.C.; **Berezovski, Arkadi; Gonzalez, Joze; Hora, Petra** Proceedings of 8th GACM Colloquium on Computational Mechanics For Young Scientists From Academia and Industry August 28th-30th, 2019 University of Kassel, Germany 2019 / p. 23-25 <https://doi.org/10.19211/KUP9783737650939>

### **Energy efficiency for bisection based power allocation with proportional fairness in relay-assisted LTE-A downlink system [Online resource]**

Hassan, Hammad; Ahmed, Ifran; **Alam, Muhammad Mahtab** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill  
<https://doi.org/10.1109/BEC.2018.8600970>

### **Estimation and conversion of static load models of aggregated transmission system loads = Ülekandevõrgu sõlmekoormuste staatiliste koormusmodelite määramine ja teisendamine**

**Leinakse, Madis** 2022 <https://doi.org/10.23658/taltech.3/2022> <https://digikogu.taltech.ee/et/Item/f179e30b-3265-4cc4-94d5-29750f3e9bfb>  
[https://www.ester.ee/record=b5491230\\*est](https://www.ester.ee/record=b5491230*est)

### **Experimental and analytical modelling of pelvic motion = Vaagna liikumise eksperimentaalne ja analüütiline modelleerimine**

**Žigailov, Sergei** 2016 [https://www.ester.ee/record=b4601194\\*est](https://www.ester.ee/record=b4601194*est)

### **Extreme inundation statistics on a composite beach**

**Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys; Labart, Celine** Water 2020 / art. 1573, 13 p. : ill  
<https://doi.org/10.3390/w12061573> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Further results on identifiability of discrete-time nonlinear systems**

**Nömm, Sven; Moog, Claude** Automatica 2016 / p. 69-74 : ill <https://doi.org/10.1016/j.automatica.2016.01.054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Generalization of longitudinal-lateral scheme for two-dimensional transient semiconductor device simulation**

Gunko, V.B.; Kucherenko, S.S.; Kudryashov, N.A.; Sytsko, Yu.I. Automation, simulation & measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991. Section S, Simulation = Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents / Tallinna Tehnikaülikool 1992 / p. 107-112: ill [https://www.ester.ee/record=b1064031\\*est](https://www.ester.ee/record=b1064031*est)

### **Generation of stable polytopes of Hurwitz polynomials via Routh parameters**

**Nurges, Ülo; Artemtšuk, Igor; Belikov, Juri** 53rd IEEE Conference on Decision and Control : December 15-17, 2014, Los Angeles, California, USA 2014 / p. 2390-2395 : ill <https://doi.org/10.1109/CDC.2014.7039753> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **High order iterative methods for problems in mathematical modelling**

**Vaarmann, Otu** The Third International Conference : Tools for Mathematical Modelling : June 18-23, Saint-Petersburg : book of

**High order iterative methods for problems in mathematical modelling**

**Vaarmann, Otu** Tools for mathematical modelling 2001 / p. 161-168

**Identification of memory kernels in heat flow measuring heat flux at the ends of the bar**

**Pais, Enno** Mathematical modelling and analysis 2010 / 4, p.473-490 <https://journals.vilniustech.lt/index.php/MMA/article/view/6038>

**Impact of component losses on the voltage boost properties and efficiency of the QZS-converter family**

**Roasto, Indrek; Vinnikov, Dmitri** COMPEL : The international journal for computation and mathematics in electrical and electronic engineering 2012 / p. 1945-1963 : ill <https://www.emerald.com/insight/content/doi/10.1108/03321641211267227/full/html>

**An improved implementation of shift displacement method on hardware —comprehensive evaluation of emerging bi-pedal techniques**

**Abideen, Zain Ul;** Tariq, Hassan; Hafeez, Muhammad Asfand; Subhani, Zahid Mehmood 2020 4th International Conference on Automation, Control and Robots : Rome, Italy, 11-13 October 2020 2020 / p. 7-12 : ill <https://doi.org/10.1109/ICACR51161.2020.9265496>

**Interfaces in micromorphic materials : wave transmission and reflection with numerical simulations**

**Berezovski, Arkadi;** Giorgio, Ivan; Della Corte, Alessandro Mathematics and mechanics of solids 2016 / p. 37-51 : ill <https://doi.org/10.1177/1081286515572244> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Internal variables representation of generalized heat equations**

**Berezovski, Arkadi** Continuum mechanics and thermodynamics 2019 / p. 1733–1741 <https://doi.org/10.1007/s00161-018-0729-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Inverse problems to determine non-homogeneous degenerate memory kernels in heat flow**

**Pais, Enno** 2007 [https://www.ester.ee/record=b2298281\\*est](https://www.ester.ee/record=b2298281*est)

**An investigation of winter navigation and icebreaker needs in the ice-infested water: The gulf of Finland and the Gulf of Riga**

Lu, Liangliang; Kondratenko, Aleksandr; Kulkarni, Ketki; Li, Fang; Kujala, Pentti Jouko Sakari; Musharraf, Mashrura Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering - OMAE 2024 ; Vol. 6 2024 / OMAE2024-127955, V006T07A006 ; 8 pages <https://doi.org/10.1115/OMAE2024-127955> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**ISTOC-2D: system of mixed device-circuit modeling for personal computer**

Philatov, N.I.; Nakropin, B.O.; Yakovlev, D.G. Automation, simulation & measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991. Section S, Simulation = Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents / Tallinna Tehnikaülikool 1992 / p. 95-100: ill [https://www.ester.ee/record=b1064031\\*est](https://www.ester.ee/record=b1064031*est)

**Kaoseraamat : [õpik]**

Lepik, Ülo; Engelbrecht, Jüri 1999 [https://www.ester.ee/record=b1268229\\*est](https://www.ester.ee/record=b1268229*est)

**Komplekssüsteemid ja süsteemibioloogia**

**Engelbrecht, Jüri** Süsteemibioloogia : [39. teoreetilise bioloogia kevadkooli ettekanded : 2013, Mustjõe, Harjumaa] 2013 / lk. 7-11 [https://www.ester.ee/record=b2952882\\*est](https://www.ester.ee/record=b2952882*est)

**Lainelevi modelleerimine tahkistes ja komplekssüsteemid**

**Engelbrecht, Jüri** Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 37-47 : ill., fot [https://www.ester.ee/record=b5208765\\*est](https://www.ester.ee/record=b5208765*est)

**Laser scanning of built environment and landforms with spatial modelling applications = Laserskaneerimine ehitiste ja looduslike pinnavormide mõõdistamisel ning tulemuste modelleerimine**

**Julge, Kalev** 2018 <https://digi.lib.ttu.ee/ii/?9288> [https://www.ester.ee/record=b4760989\\*est](https://www.ester.ee/record=b4760989*est)

**Laskemoonalao riskianalüüsi metoodika väljatöötamine fiktiivse lao näitel**

**Tomberg, Tõnu;** Järviste, Raul; Kirs, Maarjus; Strazdin, Aleks; Eensoo, Siim Sõjateadlane = Estonian journal of military studies 2019 / lk. 58-80 : ill [https://artiklid.elnet.ee/record=b2876205\\*est](https://artiklid.elnet.ee/record=b2876205*est)

**Learning timed automata from interaction traces**

**Vain, Jüri; Kanter, Gert; Anier, Aivo** IFAC-PapersOnLine 2019 / p. 205-210 <https://doi.org/10.1016/j.ifacol.2019.12.097> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Maritime supply and the optimal maritime operations**

**Atari Jabar Zadeh, Sina; Gerstlberger, Wolfgang Dieter; Prause, Gunnar Klaus** Reliability and Statistics in Transportation and Communication : Human Sustainability and Resilience in the Digital Age : Selected Papers from the 24th International Multidisciplinary Conference on Reliability and Statistics in Transportation and Communication, RelStat-2024, Riga, Latvia,

**Matemaatiline modelleerimine keskkonna erialadele**

**Sikk, Jaak** 2007 [https://www.ester.ee/record=b2199530\\*est](https://www.ester.ee/record=b2199530*est)

**Matemaatiline modelleerimine toeks otsustajale**

**Vaarmann, Otu** Tallinna Tehnikaülikooli aastaraamat 2008 2009 / lk. 63-69

**Matemaatilise modelleerimise õpetamisest keemiateaduskonnas**

**Pikkov, Lui** Õppemetoodika küsimusi ; 14 1977 / lk. 109-112 : ill [https://www.ester.ee/record=b1346720\\*est](https://www.ester.ee/record=b1346720*est)

**Mathematical and physical modelling of dynamic electrical impedance = Dünaamilise impedantsi matemaatiline ja füüsikaline modelleerimine**

**Giannoukos, Georgios** 2016 <https://digi.lib.ttu.ee/i/?5654> [https://www.ester.ee/record=b4579206\\*est](https://www.ester.ee/record=b4579206*est)

**A mathematical model for abrasive erosion wear in composite Fe-based matrix with WC-Co reinforcement**

**Casesnoves, Francisco; Surženkov, Andrei** Materials and contact characterisation VIII 2017 / p. 99-111 : ill

<https://doi.org/10.2495/MC170101> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Mathematical model for real-time assessment of contributions of disturbing sources to power quality level at a point of common coupling**

**Sayenko, Yuri; Sukhonos, Maria; Kalyuzhnyi, Dmitry; Bolgov, Viktor** PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 29-35 : ill

<https://doi.org/10.1109/PQ.2016.7724085>

**Mathematical model of two-phase flows loaded with light and heavy particles to analyze CFB processes**

**Kartušinski, Aleksander; Siirde, Andres; Rudi, Ülo; Šablinski, Aleksandr** Oil shale 2011 / 1S, p. 169-180 : ill

[https://artiklid.elnet.ee/record=b2286631\\*est](https://artiklid.elnet.ee/record=b2286631*est)

**Mathematical modeling and control strategies for islanded microgrids = Saartalitluses mikrovõrkude matemaatiline modelleerimine ja juhtimisstrateegiad**

**Armstorfer, Andreas** 2022 <https://doi.org/10.23658/taltech.71/2022> [https://digikogu.taltech.ee/et/Item/077a5b65-1320-40ac-b105-](https://digikogu.taltech.ee/et/Item/077a5b65-1320-40ac-b105-607deaa9a900)

[607deaa9a900 https://www.ester.ee/record=b5528446\\*est](https://www.ester.ee/record=b5528446*est)

**Mathematical modeling and dynamic behavior of a lithium-ion battery system for microgrid application**

**Rahmoun, Ahmad; Armstorfer, Andreas; Helguero Cruz, Jorge Luis; Biechl, Helmuth; Rosin, Argo** IEEE International Energy Conference (ENERGYCON) : [Leuven, Belgium, 4-8 April 2016] 2016 / [6] p. : ill

<https://doi.org/10.1109/ENERGYCON.2016.7513977>

**Mathematical modeling and experimental validation of a fault-tolerant dual stator LHEFSM for rail transit applications**

**Ullah, Basharat; Khan, Faisal; Hussain, Shahid; Albogamy, Fahad R.** IEEE Access 2024 / p. 121586-121595 : ill

<https://doi.org/10.1109/ACCESS.2024.3452984> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mathematical modeling and simulation of ozonation processes in a downstream static mixer with sieve plates**

**Munter, Rein** Ozone : science & engineering 2004 / 2, p. 227-236 : ill

**Mathematical modeling of synergy in co-pyrolysis**

**Johannes, Ille; Tiikma, Laine; Palu, Vilja; Jurjeva, Jelena** International oil shale symposium : Tallinn, Estonia, June 10-13, 2013 2013 / p. 66

**Mathematical modelling and simulation of ozonation processes in a downstream static mixer with sieve plates**

**Munter, Rein** Proceedings of the 15th Ozone World Congress : London, United Kingdom, 11th - 15th September 2001 : oral and forum presentations. Vol. III 2001 / p. 250-263 : ill

**Mathematical modelling of solid rotor induction motor**

**Leoste, Margus; Jokinen, Tapani** 35 научная конференция студентов втузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция электромеханики. Секция электроэнергетики 1991 / с. 7-10: ил

**Mathematical modelling of three phase squirrel cage induction motor and related signal processing for fault diagnostics = Kolme faasilise lühisrootoriga asünkroonmootori matemaatiline modelleerimine ning lähtuv rikkediagnostiline signaalitöötlus**

**Asad, Bilal** 2021 <https://digikogu.taltech.ee/et/Item/8b5869c8-de30-4380-a0c6-8a6a2d6b6ff3> [https://www.ester.ee/record=b5452432\\*est](https://www.ester.ee/record=b5452432*est)  
<https://doi.org/10.23658/taltech.40/2021>

**Matrix transforms of  $\lambda$ -boundedness domains of the Zweier method**

**Aasma, Ants; Dutta, Hemen** TWMS Journal of applied and engineering mathematics 2020 / p. 28-37

[https://jaem.isikun.edu.tr/web/images/articles/vol.10-Special\\_Issue/04.pdf](https://jaem.isikun.edu.tr/web/images/articles/vol.10-Special_Issue/04.pdf) <https://jaem.isikun.edu.tr/web/index.php/archive/107-vol10-special-issue/582-matrix-transforms-of-boundedness-domains-of-the-zweier-method> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Measurement and analysis of human lower limbs movement parameters during walking**

**Žigailov, Sergei;** Kuznetsov, Artem; Musalimov, Victor; **Arjassov, Gennadi** The 9th International Conference Mechatronics Systems and Materials : MSM-2013 : abstracts 2013 / p. 268

#### **Measurement and analysis of human lower limbs movement parameters during walking**

**Žigailov, Sergei;** Kuznetsov, Artem; Musalimov, Victor; **Arjassov, Gennadi** Mechatronic systems and materials VI 2015 / p. 538-543 : ill <https://doi.org/10.4028/www.scientific.net/SSP.220-221.538> [Conference proceedings at Scopus](#) [Article at Scopus](#)

#### **Mechanoenergetics of a single cardiomyocyte = Ühe südameraku mehaanoenergeetika**

**Kalda, Mari** 2015 [https://www.ester.ee/record=b4525654\\*est](https://www.ester.ee/record=b4525654*est)

#### **Metabolic flux analysis of compartmentalized systems using dynamic isotopologue modeling = Isotopoloogilise modelleerimise rakendamise heterogeensete bioloogiliste süsteemide ainevahetusvoo analüüs**

**Schryer, David** 2012 [https://www.ester.ee/record=b2776763\\*est](https://www.ester.ee/record=b2776763*est)

#### **Method of the electrical network macromodeling**

Dmitriyev-Zdorov, V.B.; Dudka, V.B.; Popov, V.P. Automation, simulation & measurement. Section A, Automation. Section M, Measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991 = Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents / Tallinna Tehnikaülikool 1992 / p. 54-59: ill [https://www.ester.ee/record=b1064034\\*est](https://www.ester.ee/record=b1064034*est)

#### **Minimal energy storage required for stability of low inertia distributed sources**

Fahima, Aviad; Ofir, Ron; Levron, Yoash; **Belikov, Juri** 2018 5th IEEE International Energy Conference (ENERGYCON), Limassol, Cyprus, June 3-7, 2018 : proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/ENERGYCON.2018.8398775>

#### **Modal embeddings and calling paradigms**

Espirito Santo, Jose; Pinto, Luis; **Uustalu, Tarmo** 4th International Conference on Formal Structures for Computation and Deduction : FSCD 2019, Dortmund, Germany, 24-30 June 2019 / art. 18 ; 20 p. : ill <https://doi.org/10.4230/LIPIcs.FSCD.2019.18> [Conference proceeding at Scopus](#) [Article at Scopus](#)

#### **Model-based simulation of a hydraulic closed-loop rotary transmission with automatic control**

**Grossschmidt, Gunnar; Harf, Mait** International journal of fluid power 2021 / 42 p. : ill <https://doi.org/10.13052/ijfp1439-9776.2212> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Model-based simulation of a hydraulic open-loop rotary transmission with automatic regulation of hydraulic motor (Part 1: Modelling)**

**Harf, Mait; Grossschmidt, Gunnar** ESM '2018 : The 2018 European Simulation and Modelling Conference, Modelling and Simulation : October 24-26, 2018, NH Gent Belfort, Ghent, Belgium : [Proceedings] 2018 / p. 63-68 <https://www.eurosis.org/cms/files/proceedings/ESM/ESM2018contents.pdf>

#### **Model-based simulation of a hydraulic open-loop rotary transmission with automatic regulation of hydraulic motor (Part 2: Simulation)**

**Harf, Mait; Grossschmidt, Gunnar** ESM '2018 : The 2018 European Simulation and Modelling Conference, Modelling and Simulation : October 24-26, 2018, NH Gent Belfort, Ghent, Belgium : [Proceedings] 2018 / p. 69-73 <https://www.eurosis.org/cms/files/ESM2018FINPROG.pdf>

#### **Model-based simulation of hydraulic hoses in an intelligent environment**

**Grossschmidt, Gunnar; Harf, Mait** International journal of fluid power 2018 / p. 27-41 : ill <https://doi.org/10.1080/14399776.2017.1374140> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Modeling and robust control algorithms for a linear belt driven system**

**Vu, Trieu Minh;** Tamre, Mart; **Sekhri, Even** Open computer science 2018 / p. 142-153 : ill <https://doi.org/10.1515/comp-2018-0010> [Journal metrics at Scopus](#) [Article at Scopus](#)

#### **Modeling the pathways of microplastics in the Gulf of Finland, Baltic Sea – sensitivity of parametrizations**

**Siht, Enriko; Väli, Germa; Liblik, Taavi; Mishra, Arun; Buhhalko, Natalja; Lips, Urmas** Ocean dynamics 2024 / art. 9, 24 p. : ill., map <https://doi.org/10.1007/s10236-024-01649-0>

#### **Modelling and estimation of distribution network operation**

**Kilter, Jako; Meldorf, Mati** Scientific proceedings of Riga Technical University. Serija 4, Power and electrical engineering 2007 / p. 103-108 : ill

#### **Modelling of complex signals in nerves**

**Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel** 2021 <https://doi.org/10.1007/978-3-030-75039-8>

**Modelling of dynamic electrical bioimpedance and measurements safety**

**Giannoukos, Georgios; Min, Mart** AASRI procedia 2014 / p. 12-18 : ill

**Modelling of oil shale concentration processes in Estonian mines**

**Pastarus, Jüri-Rivaldo; Reinsalu, Enno; Saarnak, Martin** International journal of mining, reclamation and environment 2015 / p. 213-225 : ill <https://doi.org/10.1080/17480930.2014.962807> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modelling of processes in nerve fibres at the interface of physiology and mathematics**

**Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel** Biomechanics and modeling in mechanobiology 2020 / p. 2491-2496  
<https://doi.org/10.1007/s10237-020-01350-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modelling process parameters of the PA12-CF60 carbon fiber laminating tape for low cost laminating devices**

**Haavajõe, Anti; Mikola, Madis; Pohlak, Meelis** International Conference of numerical analysis and applied mathematics, ICNAAM 2019, 23-28 September 2019, Rhodes, Greece 2020 / art. 230006 <https://doi.org/10.1063/5.0026715> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Monitoring of electrical distribution network operation = Jaotusvõrgu talitluse seire**

**Kilter, Jako** 2009 [https://www.ester.ee/record=b2498170\\*est](https://www.ester.ee/record=b2498170*est)

**Multi-level model transformation**

**Draheim, Dirk;** Holmes, Taid; Wimmer, Manuel Multi-Level Modelling (Dagstuhl Seminar 17492) 2018 / p. 42-48  
<http://dx.doi.org/10.4230/DagRep.7.12.18>

**Multiscale study of carbon dioxide chemisorption in the plug flow adsorber of the anesthesia machine**

**Derevshchikov, Vladimir;** Kazakova, Evgenia; Yatsenko, Dmitry; Veselovskaya, Janna Separation science and technology 2021 / p. 485-497 <https://doi.org/10.1080/01496395.2020.1723029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**MWFA model based synthetic data creation and utilization for the training of XGBoost based fault diagnostic algorithm of a squirrel cage induction motor**

**Asad, Bilal;** Khan, Muhammad Amir; **Raja, Hadi Ashraf; Vaimann, Toomas; Kallaste, Ants; Naseer, Muhammad Usman** 2024 International Conference on Electrical Machines (ICEM) 2024 / 7 p <https://doi.org/10.1109/ICEM60801.2024.10700453>

**Mõtteid operatsioonianalüüsist ja küberneetikast**

**Vaarmann, Otu** Aastaraamat 2012 / Eesti Matemaatika Selts 2014 / lk. 65-71

**Non-linear structure identification of a fed-batch bakers' yeast process - a simulation study of two techniques**

Keulers, M.; **Sepp, K.**; Breur, A.; Reyman, G. Automation, simulation & measurement. Section A, Automation. Section M, Measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991 = Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents / Tallinna Tehnikaülikool 1992 / p. 82-87: ill [https://www.ester.ee/record=b1064034\\*est](https://www.ester.ee/record=b1064034*est)

**Numerical analysis of the influence of deep energy level traps in SiC Schottky structures**

**Koel, Ants; Rang, Toomas; Rang, Galina** High performance structure and materials. VI 2012 / p. 439-448 : ill

**Numerical modeling of the electrothermal transient process in diode structures based on direct-cap-semiconductors**

**Velmre, Enn; Freidin, Boris** Physica status solidi. A, Applied research 1983 / p. K131-K134 [https://www.ester.ee/record=b1562026\\*est](https://www.ester.ee/record=b1562026*est)

**Numerical modelling of flow phenomenas of the lower furnace of the recovery boiler**

Sutinen, Jari 35 научная конференция студентов вузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция электромеханики. Секция электроэнергетики 1991 / с. 30-38: ил

**Numerical modelling of powder compaction**

Redanz, Pia Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 264-267: ill

**Numerical simulation of a forward-based p-i-n structure with band-to-band Auger recombination**

**Freidin, Boris; Velmre, Enn** Electronics letters : an international publication 1978 / p. 701-703  
[https://www.ester.ee/record=b2180432\\*est](https://www.ester.ee/record=b2180432*est)

**Numerical simulation of a silicon carbide diode**

**Velmre, Enn; Udal, Andres** BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 559-566: ill [https://www.ester.ee/record=b2150914\\*est](https://www.ester.ee/record=b2150914*est)

### **Numerical simulation of acoustic emission during crack growth in 3-point bending test**

**Berezovski, Arkadi;** Berezovski, Mihhail Structural control & health monitoring 2017 / e1996, p. 1-8 : ill <https://doi.org/10.1002/stc.1996>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Numerical simulation of electrothermal effects in ESD protection devices**

Hellstrom, S.; **Freidin, Boris; Velmre, Enn; Udal, Andres** ESREF'92: 3rd European Symposium on Reliability of Electron Devices, Failure Physics and Analysis : 5-8 October 1992, Schwäbisch Gmünd, Germany : conference proceedings 1992 / p. 77-80 <https://d-nb.info/921228503/04>

### **Numerical simulation of electrothermal interactions in semiconductor devices experiencing ESD pulses**

**Freidin, Boris; Velmre, Enn; Udal, Andres** Techn. Dig. of International Workshop on Computational Electronics, 1992 May 28-29, Beckman Institute, Univ. of Illinois Urbana-Champaign, USA 1992 / p. 75-78 : ill  
[https://in4.iue.tuwien.ac.at/pdfs/iwce/iwce1\\_1992/pdfs/pp075-078.pdf](https://in4.iue.tuwien.ac.at/pdfs/iwce/iwce1_1992/pdfs/pp075-078.pdf)

### **Numerical simulation of propagation of solitary deformation waves in microstructured solids**

**Salupere, Andrus; Engelbrecht, Jüri; Tamm, Kert** USNCCM IX : Ninth US National Congress on Computational Mechanics : San Francisco, CA, July 22-26, 2007 : [book of abstracts] 2007 / [8] p

### **Numerical simulation of three-dimensional gas-solid particle flow in a horizontal pipe**

**Kartušinski, Aleksander;** Michaelides, Efsthios; **Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor** AIChE journal 2011 / p. 2977-2988 : ill

### **Numerical simulation of two-phase turbulent flows in ash circulating fluidized bed = Turbulentsete kahefaasiliste voolude matemaatilise modelleerimine tuha tsirkuleerivas keevkihis**

**Krupenski, Igor** 2010 [https://www.ester.ee/record=b2595716\\*est](https://www.ester.ee/record=b2595716*est)

### **Numerical simulation of two-phase turbulent flows of ash circulating in fluidized bed**

**Krupenski, Igor** Oil shale 2011 / 1S, p. 262 [https://artiklid.elnet.ee/record=b2286682\\*est](https://artiklid.elnet.ee/record=b2286682*est)

### **Numerical study of current crowding phenomenon in complementary 4H-SiC JBS rectifiers**

**Rang, Toomas;** Higelin, G.; **Kurel, Raido** Silicon Carbide and Related Materials 2003 2004 / p. 1045-1048  
<https://www.scientific.net/MSF.457-460.1045>

### **Olav Aarna personaalnimestik : [bibliograafia]**

2012 [https://www.ester.ee/record=b2783379\\*est](https://www.ester.ee/record=b2783379*est)

### **On mathematical modeling of the propagation of a wave ensemble within an individual axon**

**Peets, Tanel; Tamm, Kert; Engelbrecht, Jüri** Frontiers in cellular neuroscience 2023 / art. 1222785  
<https://doi.org/10.3389/fncel.2023.1222785> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On nonlinear waves in media with complex properties**

**Engelbrecht, Jüri; Salupere, Andrus; Berezovski, Arkadi; Peets, Tanel; Tamm, Kert** Generalized models and non-classical approaches in complex materials ; 1 2018 / p. 275-286 [https://doi.org/10.1007/978-3-319-72440-9\\_13](https://doi.org/10.1007/978-3-319-72440-9_13) [Journal metrics at Scopus](#) [Article at Scopus](#)

### **On some optimal design techniques for modelling structural degradation**

Achtziger, W.; Bendsoe, M.P.; Taylor, J.E. Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 38-41: ill

### **On the Mindlin microelasticity in one dimension**

**Berezovski, Arkadi** Mechanics research communications 2016 / p. 60-64 : ill <https://doi.org/10.1016/j.mechrescom.2016.09.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On the modeling of microstructure influence**

**Berezovski, Arkadi** Proceedings of 8th GACM Colloquium on Computational Mechanics For Young Scientists From Academia and Industry August 28th-30th, 2019 University of Kassel, Germany 2019 / p. 15-18 <https://doi.org/10.19211/KUP9783737650939>

### **On the phenomenological modelling of physical phenomena**

**Engelbrecht, Jüri; Tamm, Kert; Peets, Tanel** Proceedings of the Estonian Academy of Sciences 2024 / p. 264-278 : ill  
<https://doi.org/10.3176/proc.2024.3.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Operatsioonianalüüsist ja tema osast hariduses**

**Vaarmann, Otu** Aastaraamat 2005 / Eesti Matemaatika Selts 2006 / lk. 76-83

### **Optimization of the response characteristics of a speed bump**

Pedersen, Niels L. Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 184-187: ill

### **Optimizing ventricular fibers : uniform strain or stress, but not ATP consumption, leads to high efficiency**

**Vendelin, Marko**; Bovendeerd, Peter; **Engelbrecht, Jüri**; Arts, Theo American journal of physiology - heart and circulatory physiology 2002 / p. H1072-H1081 : ill

### **Ozonation and advanced oxidation processes of polycyclic aromatic hydrocarbons - mathematical modelling**

**Kallas, Juha**; Hautaniemi, Marjaana; **Munter, Rein**; Trapido, Marina; **Veressina, Jelena** Regional Conference on Ozone, Ultraviolet Light, Advanced Oxidation Processes in Water Treatment, Amsterdam, Netherlands, 24-26 September 1996 1996 / p. 395-409: ill

### **Ozone and UV in chlorophenols treatment : mathematical modelling**

Hautaniemi, Marjaana; **Kallas, Juha**; **Trapido, Marina**; **Munter, Rein** International Conference on Ozonation and Related Oxidation Processes in Water and Liquid Waste Treatment 1997 / p. II.3.1-II.3.16: ill

### **Parametric simulation of SiC Schottky JBC structures**

**Rang, Toomas**; **Kurel, Raido** Computer methods and experimental measurements for surface effects and contact mechanics VIII 2007 / p. 315-334 <https://www.witpress.com/Secure/elibrary/papers/SECM07/SECM07030FU1.pdf>

### **Phenomenological and numerical modelling of short fibre reinforced cementitious composites**

**Herrmann, Heiko**; **Eik, Marika**; Berg, Viktoria; Puttonen, Jari Meccanica 2014 / p. 1985-2000 : ill <https://doi.org/10.1007/s11012-014-0001-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Power diode transient characteristics modeling in inductive load circuits**

**Freidin, Boris**; **Velmre, Enn**; **Udal, Andres** The Bug Exterminator (USA) 1991 / p. 1-5: fig

### **Preface**

**Berezovski, Arkadi**; **Soomere, Tarmo** Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity 2019 / p. VII-XI <https://doi.org/10.1007/978-3-030-29951-4> [https://www.estee.ee/record=b5303400\\*est](https://www.estee.ee/record=b5303400*est)

### **Preface**

Kazymyr, Volodymyr; Morozov, Anatoliy; Palagin, Alexander; Shkarlet, Serhiy; Stoianov, Nikolai; **Vinnikov, Dmitri**; Zhelezniak, Mark Mathematical Modeling and Simulation of Systems : Selected Papers of 18th International Conference, MODS, November 13-15, 2023, Chernihiv, Ukraine 2024 / p. v-vi <https://link.springer.com/book/10.1007/978-3-031-67348-1> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Preface**

Lyapin, Alexandr; Murgul, Vera; Beskopylny, A.N.; Porsksheyan, V.M.; Komakhidze, M.G.; Sukhinov, A.I.; Chetverushkin, B.N.; Avetisyan, A.I.; Kalyaev, I.A.; **Ubar, Raimund-Johannes** Journal of Physics: Conference Series 2021 / art. 011001, 1 p <https://doi.org/10.1088/1742-6596/2131/1/011001> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Preface**

Shkarlet, Serhiy; Palagin, Alexander; Morozov, Anatoliy; **Vinnikov, Dmitri**; Stoianov, Nikolai; Zhelezniak, Mark; Kazymyr, Volodymyr Mathematical Modeling and Simulation of Systems : Selected Papers of 17th International Conference, MODS, November 14-16, 2022, Chernihiv, Ukraine 2023 / p. v-vi <https://link.springer.com/book/10.1007/978-3-031-30251-0> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Preface**

Johri, Prashant; Anand, Adarsh; **Vain, Jüri**; Singh, Jagvinder; Quasim, Mohammad Tabrez System assurances : modeling and management 2022 <https://doi.org/10.1016/B978-0-323-90240-3.09998-7>

### **q-Tetratransformations in conducting networks**

**Paal, Eugen** ASTRALGO Science 2015 / p. 1503-1 - 1503-2 : ill

### **Quality and accuracy of digital twin models for the neighbourhood level building energy performance calculations**

**Parts, Egert-Ronald**; **Pikas, Ergo**; **Parts, Tuule Mall**; **Arumägi, Endrik**; **Liiv, Innar** E3S Web of Conferences : 11th International Conference on Indoor Air Quality, Ventilation and Energy Conservation in Buildings, IAQVEC2023 2023 / art. 04021, 8 p. : ill <https://doi.org/10.1051/e3sconf/202339604021> [Conference proceedings at Scopus](#) [Article at Scopus](#)

### **Quality of photovoltaic modules, experimental evaluation and mathematical modelling**

**Tšukrejev, Pavel**; **Karjust, Kristo**; **Majak, Jüri** IOP conference series : materials science and engineering 2021 / art. 012044, 7 p. : ill <https://doi.org/10.1088/1757-899X/1140/1/012044>

### **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

### **Safety improvements for high-speed planing craft occupants : A systematic review**

**Roshan, Fatemeh**; Dashtimanesh, Abbas; **Kujala, Pentti Jouko Sakari** Journal of marine science and engineering 2024 / art. 845  
<https://doi.org/10.3390/jmse12050845> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **17. konverents "Mathematical Modelling and Analysis"**

**Janno, Jaan** Aastaraamat 2012 / Eesti Matemaatika Selts 2014 / lk. 141-142

### **Simulation of charge transfer in CCDs for low temperature applications**

Zaycev, S.N.; Zinis, K.A.; Chernokogin, V.V.; Shilin, V.A. Automation, simulation & measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991. Section S, Simulation = Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents / Tallinna Tehnikaülikool 1992 / p. 123-126 [https://www.ester.ee/record=b1064031\\*est](https://www.ester.ee/record=b1064031*est)

### **Simulation study of the pressure control system for a centrifugal pump [Online resource]**

**Gevorkov, Levon; Vodovozov, Valery; Raud, Zoja** 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [5] p. : ill  
<https://doi.org/10.1109/RTUCON.2016.7763086>

### **Single slit diffraction : from optics to elasticity**

**Berezovski, Arkadi; Engelbrecht, Jüri** Wave motion 2016 / p. 35-45 : ill <https://doi.org/10.1016/j.wavemoti.2015.09.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Smart Energy and power systems modelling: an IoT and Cyber-Physical Systems perspective, in the context of Energy Informatics**

Bordin, Chiara; Hakansson, Anne; **Mishra, Sambeet** Procedia computer science 2020 / p. 2254-2263  
<https://doi.org/10.1016/j.procs.2020.09.275> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **A snapshot of internal waves and hydrodynamic instabilities in the southern Bay of Bengal**

Lozovatsky, Iossif; Wijesekera, Hemantha; Jarosz, Ewa; **Lilover, Madis-Jaak** Journal of geophysical research. Oceans 2016 / p. 5898-5915 : ill <https://doi.org/10.1002/2016JC011697> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Solitary waves in dispersive solids**

**Engelbrecht, Jüri; Salupere, Andrus; Peterson, Pearu**; Maugin, Gerard A. 3rd EUROMECH Solid Mechanics Conference, Stockholm, Sweden, August 18-22, 1997 : book of abstracts 1997 / IV : W6 ; p. 336

### **Soliton trains in dispersive media**

**Engelbrecht, Jüri; Peets, Tanel; Tamm, Kert** Low temperature physics Fizika nizkikh temperatur 2018 / p. 887-892  
<https://doi.org/10.1063/1.5041436> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Some new algorithms for numerical simulation of transient processes in power semiconductor devices**

**Piroženko, Aleksander** Symposium on Modeling Inverse Problems and Numerical Methods : program, abstracts, participants, Tallinn, April 15-20, 1991 1991 / p. 32

### **Statistical modelling of riverine nutrient sources and retention in the Lake Peipsi drainage basin**

**Vassiljev, Anatoli**; Stalnacke, Per Water science & technology Water science and technology 2005 / 3/4, p. 309-317 : ill

### **Steady inviscid vortex rings**

Danaila, Ionut; **Kaplanski, Felix**; Sazhin, Sergei Vortex Ring Models 2021 / p. 17-49 [https://doi.org/10.1007/978-3-030-68150-0\\_2](https://doi.org/10.1007/978-3-030-68150-0_2)  
[Article collection metrics at Scopus](#) [Article at Scopus](#)

### **A study on the ice resistance characteristics of ships in rafted ice based on the circumferential crack method**

Huang, Jiayu; Diao, Feng; Ding, Shifeng; Han, Sen; **Kujala, Pentti Jouko Sakari**; Zhou, Li Water 2024 / art. 854  
<https://doi.org/10.3390/w16060854> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Süda ja matemaatika : Eesti Teadusfondi projekt "Südame isheemia matemaatilise modelleerimine", 2001-2003**

**Engelbrecht, Jüri** Eesti Teadusfondi Aastaraamat 2004 2005 / lk. 17 : ill

### **Sünergiakood**

**Johannes, Ille; Tiikma, Laine; Palu, Vilja** XXXIII Eesti Keemiapäevad : teaduskonverentsi teesid 2013 / lk. 20

### **Zu einem mathematischen Modell des Bildungssystems in der Estnischen SSR**

**Rajangu, Väino** Berichte und Informationen zur Hoch- und Fachschulbildung 1980 / p. 31-38

### **Temperature changes accompanying signal propagation in axons**

**Tamm, Kert; Engelbrecht, Jüri; Peets, Tanel** Journal of non-equilibrium thermodynamics 2019 / p. 277-284 : ill  
<https://doi.org/10.1515/jnet-2019-0012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The impact of the last glaciation on groundwater flow in Estonia - a numerical study [Online resource]**

Sterckx, Arnaud; Lemieux, Jean-Michel; **Vaikmäe, Rein** 43rd IAH Congress : Groundwater and Society : 60 years of IAH : September 25-29th 2016, Montpellier, France 2016 / p. [144], abstract no 1566 [https://www.cfh-aih.fr/images/DOCS/2-Colloques/Colloque\\_2016\\_Montpellier/Site\\_web/IAH2016\\_AbstractBOOK.pdf](https://www.cfh-aih.fr/images/DOCS/2-Colloques/Colloque_2016_Montpellier/Site_web/IAH2016_AbstractBOOK.pdf)

### **Three-dimensional tsunami runup simulation for the port of Koborinai on the Sanriku coast of Japan**

Kim, Dong Chule; Kim, Kyeong Ok; Pelinovsky, Efim; **Didenkulova, Irina**; Choi, Byung Ho Journal of coastal research 2013 / p. 266-271 : ill <https://doi.org/10.2112/SI65-046> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Three-phase electrical equivalent model for squirrel cage induction motor**

Petrov, Aleksei; **Rassõlkin, Anton**; **Vaimann, Toomas**; Plokhov, Igor; **Kallaste, Ants**; Kotelnikov, Aleksandr; **Asad, Bilal**; Savraev, Igor 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 6 p. : ill <https://doi.org/10.1109/PQ.2019.8818241>

### **Two-dimensional surge current modeling of packaged power devices**

**Udal, Andres**; **Freidin, Boris**; **Velmre, Enn** The Bug Exterminator : a monthly publication of Silvaco International 1992 / p. 6-7

### **Tööstusettevõtete ööpäevaste energiatarvete matemaatilise modelleerimine**

**Liik, Olev**; **Meldorf, Mati**; **Valtin, Juhan** XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 98 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

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

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

### **Аналитические решения и численное моделирование задачи разрушения плотины в наклонных каналах**

Pelinovsky, Efim; Rodin, Artem; Didenkulov, Oleg; **Didenkulova, Irina** XXII Международная научно-техническая конференция "Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 436

### **Вероятностное моделирование нагрузок узлов энергосистемы**

**Meldorf, Mati**; **Raesaar, Peeter**; **Seier, Gustav**; **Tiigimägi, Eeli** Проблемы оптимизации в электроэнергетике : республиканская конференция Эстонской ССР (19-20 июня 1969 г.) 1969 / с. 25-26 [https://www.ester.ee/record=b1344826\\*est](https://www.ester.ee/record=b1344826*est)

### **Влияние контактных сопротивлений на перегрев тиристора в импульсном режиме**

**Nurste, Ivar**; Seleninov, Kazimir; **Freidin, Boris** Силовые быстродействующие полупроводниковые приборы : сборник статей. Часть II 1989 / с. 175-179 [https://www.ester.ee/record=b1264433\\*est](https://www.ester.ee/record=b1264433*est)

### **Вопросы математического моделирования нагрузки электроэнергетической системы**

**Meldorf, Mati** Моделирование электроэнергетических систем : тезисы докладов VII Всесоюзной конференции 1977 / с. 151 [https://www.ester.ee/record=b1287319\\*est](https://www.ester.ee/record=b1287319*est)

### **Генерация линеаризованных моделей на ЭВМ**

**Rebane, Jüri**; **Aarna, Olav** Всесоюзное научно-техническое совещание "Автоматизация проектирования систем автоматического и автоматизированного управления" : тезисы докладов 1976 / с. 13-14 : илл [https://www.ester.ee/record=b1349811\\*est](https://www.ester.ee/record=b1349811*est)

### **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 газообмена двухтактного карбюраторного двигателя с применением математического моделирования : автореферат ... кандидата технических наук (05.04.02)**

**Sillat, Rein** 1977 [https://www.ester.ee/record=b1519619\\*est](https://www.ester.ee/record=b1519619*est)

### **Исследование динамики и помехоустойчивости системы фазовой автоподстройки при помощи моделирования на АБМ**

**Min, Mart** Всесоюзная научно-техническая конференция "Развитие и использование аналоговой и аналого-цифровой вычислительной техники" : тезисы докладов 1981 / с. 141-142

### **К анализу моделей одного класса многостадийных технологических процессов методом вероятностного моделирования**

**Kiitam, Andres** Анализ и моделирование технических устройств и систем АСУТП 1978 / с. 43-54 : илл [https://www.ester.ee/record=b2191003\\*est](https://www.ester.ee/record=b2191003*est) <https://digikogu.taltech.ee/et/Item/00fbff38-ccfb-411c-ad55-0c6b943b766b>

### **К математическому моделированию пиролиза сложных смесей**

**Aarna, Olav** 1979 [https://www.ester.ee/record=b1182398\\*est](https://www.ester.ee/record=b1182398*est)

**Корреляционный и регрессионный метод статистического моделирования потребительского бюджета**  
**Straž, Salman** Потребление и уровень жизни населения 1979 / с. 119-128 [https://www.ester.ee/record=b1283598\\*est](https://www.ester.ee/record=b1283598*est)  
<https://digikogu.taltech.ee/et/Item/dc1f8294-d89f-4f2c-83c0-fb2a5613bace>

**Математическое моделирование автоматизированного МГД привода с астатическим регулятором**  
**Tiismus, Hugo; Sakkos, Heinar; Loigom, Villem** Сборник материалов к VI Таллинскому совещанию по электромагнитным расходомерам и электротехнике жидких проводников. [1], Электропривод 1973 / с. 13-19 [https://www.ester.ee/record=b1313290\\*est](https://www.ester.ee/record=b1313290*est)

**Математическое моделирование газообмена в двухтактных двигателях с кривошипнокамерной продувкой**  
**Sillat, Rein** Автомобильные дороги. Автомобильный транспорт : сборник статей. 6 1973 / с. 109-120 : илл  
[https://www.ester.ee/record=b2122803\\*est](https://www.ester.ee/record=b2122803*est) <https://digikogu.taltech.ee/et/Item/bbfbdb445-149e-4c31-bc53-b4ab82c6d62b>

**Математическое моделирование кинетики иммобилизованных ферментов. I. (Кинетика зерна с однородным распределением ферментативной активности)**  
**Köstner, Ado** Технология пищевых производств. 3 1973 / с. 157-162 : илл [https://www.ester.ee/record=b1440564\\*est](https://www.ester.ee/record=b1440564*est)  
<https://digikogu.taltech.ee/et/Item/2f01dab2-df7a-4d0f-9845-612dede2f5e5>

**Математическое моделирование кинетики иммобилизованных ферментов. II. (Кинетика установок о ферментным гелем с учетом массопередачи)**  
**Siimer, Enn; Köstner, Ado** Технология пищевых производств. 3 1973 / с. 163-167 [https://www.ester.ee/record=b1440564\\*est](https://www.ester.ee/record=b1440564*est)  
<https://digikogu.taltech.ee/et/Item/2f01dab2-df7a-4d0f-9845-612dede2f5e5>

**Математическое моделирование магнитных характеристик ММКМ**  
**Siimar, Rein; Randmer, Uudus; Ritso, Aadu** Свойства и технология изготовления композиционных материалов 1986 / с. 89-98

**Математическое моделирование многофазных химико-технологических систем**  
**Kallas, Juha** Процессы и аппараты химической технологии и технология неорганических веществ. 8 1977 / с. 15-19 : илл  
[https://www.ester.ee/record=b1531858\\*est](https://www.ester.ee/record=b1531858*est) <https://digikogu.taltech.ee/et/Item/97286e9a-e68e-4dd6-9aae-92786dbf43a7>

**Математическое моделирование нагрузки Эстонской энергосистемы**  
**Koltšanova, E.; Meldorf, Mati** XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том II, Автоматика. Энергетика. Механика. Химия 1986 / с. 50 [https://www.ester.ee/record=b1305565\\*est](https://www.ester.ee/record=b1305565*est)

**Математическое моделирование нагрузок узлов электроэнергетической системы : автореферат ... кандидата технических наук (05.14.02)**  
**Valtin, Juhan** 1979 [https://www.ester.ee/record=b1519290\\*est](https://www.ester.ee/record=b1519290*est)

**Математическое моделирование нагрузок узлов энергетической системы**  
**Majerko, S.; Meldorf, Mati** XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 58 [https://www.ester.ee/record=b1322629\\*est](https://www.ester.ee/record=b1322629*est)

**Математическое моделирование процесса низкотемпературного окисления поверхности полиэтилена**  
**Piiraja, Eduard; Rajalo, Guido; Kirjanen, I.** Окисление и окрашивание углеводородных полимеров 1979 / с. 65-71  
[https://www.ester.ee/record=b1271134\\*est](https://www.ester.ee/record=b1271134*est) <https://digikogu.taltech.ee/et/Item/ffbf1b5d-e7f0-4503-aaa6-9cb582414a67>

**Математическое моделирование реакторов псевдооживленного слоя**  
**Rebane, Jüri; Aarna, Olav** Процессы и аппараты химической технологии и технология неорганических веществ. 5 1974 / с. 85-96 : илл [https://www.ester.ee/record=b1531723\\*est](https://www.ester.ee/record=b1531723*est) <https://digikogu.taltech.ee/et/Item/438b60cb-3265-444e-adba-b3c2c222f12a>

**Математическое моделирование реакции оксиметилирования**  
**Starkopf, Jüri-Aleksander; Jokk, Heiki** Республиканская научная конференция "Химия и применение фенолальдегидных смол" : тезисы докладов 1987 / с. 35-36 [https://www.ester.ee/record=b1263082\\*est](https://www.ester.ee/record=b1263082*est)

**Математическое моделирование слоистых пластин и оболочек для исследования волновых процессов деформаций**  
**Käerdi, Helmo; Korsunski, Viktor; Männil, Aino; Poverus, Lembit; Reiman, Ants** Тезисы докладов республиканской научной конференции "Тонкостенные и пространственные конструкции" : с 14 по 16 ноября 1978 года 1978 / с. 31-32  
[https://www.ester.ee/record=b1314933\\*est](https://www.ester.ee/record=b1314933*est)

**Математическое моделирование структур гибких производственных систем и анализ их применяемости**  
**Küttner, Rein; Riives, Jüri; Anvelt, Juhan** Вестник машиностроения : ежемесячный научно-технический и производственный журнал 1987 / с. 13-17 : илл [https://www.ester.ee/record=b1446100\\*est](https://www.ester.ee/record=b1446100*est)

**Математическое моделирование управляемого реактора с тиристорами в силовой цепи**

Nešatajev, Vassili; Veiler, Helmut; Tellinen, Juhan; Järvi, Jaan Симпозиум "Эффективность применения управляемых реакторов в энергосистемах", 14-16 нояб. 1989 г. : тезисы докладов 1989 / с. 46-47

**Метод конечных элементов при математическом моделировании динамики железобетонных плит**

Käerdi, Helmo Статические и динамические методы анализа пластин и оболочек 1984 / с. 43-50

**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

**Моделирование и учет случайного характера процессов при оптимизации режимов энергетических систем**

Valdma, Mati; Viilup, Lembit; Keel, Matti; Lelumees, Heino; Möller, Kalju; Tammoja, Heiki Моделирование

электроэнергетических систем : тезисы докладов VII Всесоюзной конференции 1977 / с. 134-135

[https://www.ester.ee/record=b1287319\\*est](https://www.ester.ee/record=b1287319*est)

**Моделирование непрерывных технологических процессов на ЭВМ. I. О математических моделях непрерывных технологических процессов**

Aarna, Olav Труды по электротехнике и автоматике : сборник статей. 13 1975 / с. 137-148 : илл

[https://www.ester.ee/record=b2190710\\*est](https://www.ester.ee/record=b2190710*est) <https://digikogu.taltech.ee/et/Item/ffbd63ed-06d6-4bbb-9468-118f743cc87f>

**Моделирование непрерывных технологических процессов на ЭВМ. II. Организация модельных расчетов**

Aarna, Olav Труды по электротехнике и автоматике : сборник статей. 13 1975 / с. 149-162 : илл

[https://www.ester.ee/record=b2190710\\*est](https://www.ester.ee/record=b2190710*est) <https://digikogu.taltech.ee/et/Item/ffbd63ed-06d6-4bbb-9468-118f743cc87f>

**Моделирование непрерывных технологических процессов на ЭВМ. III. Решение типовых задач моделирования, оптимизации и идентификации**

Aarna, Olav Труды по электротехнике и автоматике : сборник статей. 13 1975 / с. 163-172 : илл

[https://www.ester.ee/record=b2190710\\*est](https://www.ester.ee/record=b2190710*est) <https://digikogu.taltech.ee/et/Item/ffbd63ed-06d6-4bbb-9468-118f743cc87f>

**Моделирование технологических операций на участке боралюминиевой диффузии технологического процесса производства силовых полупроводниковых приборов**

Annus, Arno; Bachverk, Aleksander; Kalm, Evald; Kiitam, Andres; Võrk, Jaan Труды по электротехнике и автоматике :

сборник статей. 13 1975 / с. 187-192 : илл [https://www.ester.ee/record=b2190710\\*est](https://www.ester.ee/record=b2190710*est) <https://digikogu.taltech.ee/et/Item/ffbd63ed-06d6-4bbb-9468-118f743cc87f>

**Моделирование частичного LU-разложения разреженной матрицы при решении задач анализа цепей**

Ronk, Ants Труды по электротехнике и автоматике : сборник статей. 13 1975 / с. 55-66 : илл

[https://www.ester.ee/record=b2190710\\*est](https://www.ester.ee/record=b2190710*est) <https://digikogu.taltech.ee/et/Item/ffbd63ed-06d6-4bbb-9468-118f743cc87f>

**Модель трубы при математическом моделировании газообмена в двухтактном карбюраторном двигателе**

Sillat, Rein Теоретическое и экспериментальное исследование автомобильных дорог и автомобильного транспорта

Эстонской ССР в условиях интенсивной автомобилизации 1981 / с. 41-48 : илл [https://www.ester.ee/record=b1322651\\*est](https://www.ester.ee/record=b1322651*est)

<https://digikogu.taltech.ee/et/Item/8f1c0c0a-d035-4eb7-aef9-d6937ac86c09>

**Научная школа "Математическое и компьютерное имитационное моделирование сложных технических систем управления различных отраслей применения"**

Astrov, Igor Ведущие научные школы "Российские научные школы" ; Том XV 2023 / с. 5 <https://s.rae.ru/pdf/rnsh15.pdf>

**О математическом моделировании явлений переноса в многофазных системах**

Kallas, Juha Процессы и аппараты химической технологии и технология неорганических веществ. 6 1975 / с. 27-34

[https://www.ester.ee/record=b1328221\\*est](https://www.ester.ee/record=b1328221*est) <https://digikogu.taltech.ee/et/Item/fe4506d2-a386-4039-88aa-b211d04b97fe>

**О моделировании нагрузок узлов при управлении нормальным режимом электроэнергетической системы**

Valtin, Juhan; Meldorf, Mati; Tiigimägi, Eeli; Treufeldt, Ülo Моделирование электроэнергетических систем : тезисы докладов

VII Всесоюзной конференции 1977 / с. 152-153 [https://www.ester.ee/record=b1287319\\*est](https://www.ester.ee/record=b1287319*est)

**О формализации процесса математического описания химико-технологических комплексов для целей оптимизации**

Aarna, Olav; Siirde, Enno Республиканская научно-техническая конференция "Массообменные процессы в химической

технологии" : тезисы докладов 1969 / с. 33 [https://www.ester.ee/record=b1344075\\*est](https://www.ester.ee/record=b1344075*est)

**Определение оптимальных контингентов подготовки специалистов с высшим и средним специальным образованием**

Olander, Aare Потребность в квалифицированных кадрах для республики и развитие системы образования : тезисы

докладов второго совещания-семинара 1986 / с. 69-71 [https://www.ester.ee/record=b1301999\\*est](https://www.ester.ee/record=b1301999*est)

### **Определение рациональных параметров станка сЧПУ путём математического моделирования**

**Küttner, Rein; Riives, Jüri; Anvelt, Juhan** Повышение эксплуатационной надежности и эффективности использования станков с ЧПУ : тезисы докладов к областную семинару (19-20 мая 1982 г.) 1982 / с. 22-23

### **Оптимизация межпроцессных заделов технологии вскрышных работ на карьерах методом математического моделирования**

**Päsok, Robert** Труды по горному делу. 8 1976 / с. 25-30 [https://www.ester.ee/record=b2190762\\*est](https://www.ester.ee/record=b2190762*est)  
<https://digikogu.taltech.ee/et/Item/88239daf-2999-4a7a-a5ba-95677c4f6b51>

### **Построение инструментальной системы математического моделирования ХТС**

**Aarna, Olav** Доклады Первой Всесоюзной конференции по математическому моделированию сложных химико-технологических систем (СХТС-1) 1975 / с. 169-176

### **Применение математического моделирования с использованием ЭВМ для исследования работы цифрового синхронизатора**

Чипиль, Михаил; Лексин, Владимир 35 научная конференция студентов вузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция электромеханики. Секция электроэнергетики 1991 / с. 51-57: ил

### **Программа "Динамит-1" для одномерного численного моделирования тиристорных структур**

**Velme, Enn; Udal, Andres** Силовые полупроводниковые приборы : сборник статей 1986 / с. 59-63 : ил  
[https://www.ester.ee/record=b1591355\\*est](https://www.ester.ee/record=b1591355*est)

### **Расчеты нормальных режимов электрических систем на основе содержательного математического моделирования динамики узловых мощностей : автореферат ... кандидата технических наук (05.14.02)**

**Sild, Ants** 1989 [https://www.ester.ee/record=b1519613\\*est](https://www.ester.ee/record=b1519613*est)

### **Синтез математических моделей для оптимизации режимов энергетических систем в условиях неполной информации**

**Valdma, Mati** Моделирование электроэнергетических систем : тезисы докладов VII Всесоюзной конференции 1977 / с. 28  
[https://www.ester.ee/record=b1287319\\*est](https://www.ester.ee/record=b1287319*est)

### **Физические аспекты учета влияния эффекта электронно-дырочного рассеяния при математическом моделировании полупроводниковых структур**

**Velme, Enn** Машинное проектирование электронных устройств и систем 1988 / с. 166-174 : ил

### **Численное моделирование вертикальной двухфазной турбулентной струи**

**Kartušinski, Aleksander; Michaelides, Efstathios; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor** Всероссийская конференция «XXIX Сибирский теплофизический семинар» : Новосибирск, 15 – 17 ноября 2010 г. : тезисы докладов 2010 / с. 102-103

### **Численное моделирование напряженности электрического поля и напряжения пробоя в полупроводниковой структуре с двойной фаской**

**Velme, Enn; Kuusik, E.; Tergem, Ilmar** Силовые полупроводниковые приборы : сборник статей 1981 / с. 50-58 : ил  
[https://www.ester.ee/record=b1264428\\*est](https://www.ester.ee/record=b1264428*est)

### **Численное моделирование неизотермических переходных процессов в арсенид-галлиевых диодных структурах**

**Velme, Enn; Freidin, Boris** Известия высших учебных заведений : международный ежемесячный научно-технический журнал. Радиоэлектроника 1984 / с. 86-88 [https://www.ester.ee/record=b2768571\\*est](https://www.ester.ee/record=b2768571*est)

### **Численное моделирование неизотермических переходных процессов в силовых полупроводниковых приборах при большой плотности прямого тока**

**Velme, Enn; Nurste, Ivar; Freidin, Boris** Известия высших учебных заведений : международный ежемесячный научно-технический журнал. Радиоэлектроника 1989 / с. 80-82 [https://www.ester.ee/record=b2768571\\*est](https://www.ester.ee/record=b2768571*est)

### **Численное моделирование неизотермических переходных процессов в силовых полупроводниковых приборах при воздействии мощного импульса прямого тока**

**Velme, Enn; Freidin, Boris** Электронное моделирование = Electronic modeling : международный научно-теоретический журнал 1983 / с. 73-76 : ил [https://www.ester.ee/record=b1291241\\*est](https://www.ester.ee/record=b1291241*est)

### **Численное моделирование переходных процессов в арсенид-галлиевых диодных структурах**

**Velme, Enn; Freidin, Boris** Известия высших учебных заведений : международный ежемесячный научно-технический журнал. Радиоэлектроника 1983 / с. 93-95 [https://www.ester.ee/record=b2768571\\*est](https://www.ester.ee/record=b2768571*est)

### **Численное моделирование процесса выключения одномерных кремниевых тиристорных структур**

**Velme, Enn; Udal, Andres** Полупроводниковые приборы : сборник статей 1982 / с. 74-79 : ил  
[https://www.ester.ee/record=b1356516\\*est](https://www.ester.ee/record=b1356516*est)

**Численное моделирование процессов включения и выключения диодной структуры на основе прямозонного полупроводника**

**Velme, Enn; Freidin, Boris** Силовые быстродействующие полупроводниковые приборы : сборник статей / Научно-исследовательский институт Производственного объединения" Таллиннский электротехнический завод им. М. И. Калинина" 1984 / с. 90-94 : ил [https://www.ester.ee/record=b1238033\\*est](https://www.ester.ee/record=b1238033*est) <http://www.digar.ee/id/nlib-digar:887842>

**Численное моделирование статических неизотермических процессов в кремниевых силовых диодных и тиристорных структурах в открытом состоянии**

**Velme, Enn; Udai, Andres; Freidin, Boris** Всесоюзный научно-технический семинар "Повышение параметров силовых полупроводниковых приборов на основе новых конструктивных решений и методов изготовления" (Запорожье, 1981) 1981 / с.37-38

**Численное моделирование технологического процесса полупроводниковых приборов**

**Rang, Toomas** Проблемы моделирования полупроводниковых структур и сложных схем на ЭВМ 1982 / с. 33-37  
[https://www.ester.ee/record=b1339926\\*est](https://www.ester.ee/record=b1339926*est) <https://www.etera.ee/zoom/121726/view?page=3&p=separate&search=true&tool=search>

**Численное моделирование физических процессов в одномерных кремниевых диодных структурах в стационарном режиме**

**Velme, Enn; Freidin, Boris; Udai, Andres** Алгоритмы и программы : информационный бюллетень 1980 / с. 88

**Численное моделирование физических процессов в прямосмещенных структурах на основе прямозонных полупроводников**

**Velme, Enn; Freidin, Boris** Полупроводниковые приборы : сборник статей 1982 / с. 25-31 : ил  
[https://www.ester.ee/record=b1356516\\*est](https://www.ester.ee/record=b1356516*est)

**Численное моделирование эксперимента Шокли-Хейнса**

**Velme, Enn; Udai, Andres** Силовые полупроводниковые приборы : сборник статей 1986 / с. 49-53 : ил  
[https://www.ester.ee/record=b1591355\\*est](https://www.ester.ee/record=b1591355*est)

**Численное моделирование электротепловых процессов в силовых полупроводниковых приборах с учетом электронно-дырочного рассеяния**

**Velme, Enn; Nurste, Ivar; Seleninov, Kazimir; Freidin, Boris** Силовые быстродействующие полупроводниковые приборы : сборник статей. Часть II 1989 / с. 185-188 : ил [https://www.ester.ee/record=b1264433\\*est](https://www.ester.ee/record=b1264433*est)

**Электротехника и автоматика**

**Rüstern, Ennu; Aarna, Olav; Teder, Toomas; Annus, Arno; Bachverk, Aleksander; Kiitam, Andres; Saks, Eva; Raiend, Kullo; Rebane, Jüri; Rebane, Kaie; Kortela, U.; Lautala, P.** 1984 [https://www.ester.ee/record=b1351791\\*est](https://www.ester.ee/record=b1351791*est)