

Aperioodilise astmega resonantsvõimendi stabiilsus

Eiskop, Ilmar Side. Raadio. Televisioon : infoseeria 10 1986 / lk. 10-13 : joon https://www.ester.ee/record=b1232303*est

Application of self-adjusting features of resonant converters

Janson, Kuno; Järvik, Jaan; Vinnal, Toomas 9th European Conference on Power Electronics and Applications : 27-29 August 2001, Graz, Austria 2001 / p. L6a-1 : ill

Application of self-adjusting features of resonant converters [Electronic resource]

Janson, Kuno; Järvik, Jaan; Vinnal, Toomas EPE 2001 : 9th European Conference on Power Electronics and Applications : 27-29 August 2001, Graz 2001 / [9] p.: ill. [CD-ROM]

Characterising local environments in high energy density Li-ion battery cathodes: A combined NMR and first principles study of LiFe_{0.9}Co_{0.1}PO₄

Strobridge, Fiona C.; Middlemiss, Derek S.; Pell, Andrew J.; Leskes, Michal; Clément, Raphaële J.; Pourpoint, Frédérique; Lu, Zhonguang; Hanna, John V.; Pintacuda, Guido; **Samson, Ago** Journal of materials chemistry A 2014 / p. 11948-11957 : ill
<https://doi.org/10.1039/c4ta00934g> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Charging of high power pulse capacitors from resonant converter of alternating parallel and series resonance

Janson, Kuno; Järvik, Jaan; Vinnal, Toomas Elektroenergetika 2000 : mezinárodní vědecká konference : sborník přednášek 2000 / p. 93-97 : ill

Commutation processes in the diode bridge of resonant converter with alternating parallel and series resonance

Janson, Kuno; Järvik, Jaan; Vinnal, Toomas The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 205-208 : ill

Comparative evaluation of the air core magnetic design for MHz+ switching frequency

Matiushkin, Oleksandr; Pakhaliuk, Bohdan; Gutierrez-Escalona, Javier; Romero-Cadaval, Enrique; Husev, Oleksandr; Zakis, Janis Applied sciences 2025 / art. 8820 <https://doi.org/10.3390/app15168820>

DC current source mode in converter with alternating of parallel and series resonance [Electronic resource]

Janson, Kuno; Järvik, Jaan; Sepping, Eino EPE 2003 : 10th European Conference on Power Electronics and Applications : 2-4 September 2003, Toulouse, France 2003 / p. 1-7 : ill. [CD-ROM]

Design and resonance analysis of tubular structured dual stator linear oscillating actuator

Ahmad, Zahoor; Kallaste, Ants; Vaimann, Toomas; Sardar, Muhammad Usman 2024 International Conference on Electrical Machines (ICEM) 2024 / 7 p <https://doi.org/10.1109/ICEM60801.2024.10700213>

Destabilization criteria of the in-plane Cu c-axis dynamics in cuprate superconductors

Kristoffel, Nikolai; **Klopov, Mihhail** Europhysics letters 2001 / 5, p. 686-690 : ill <https://iopscience.iop.org/article/10.1209/epl/i2001-00110-7/fulltext/6690.html?doi=10.1209/epl/i2001-00110-7>

Determination of reactive components parameters for converter with alternating of parallel and series resonance

Janson, Kuno; Järvik, Jaan; Vinnal, Toomas PEDC 2001 : Power Electronics Devices Compatibility : 2nd Conference : 3-5 September 2001, Zielona Gora, Poland 2001 / p. 88-96 : ill

Dynamical equivalence between resonant translocation of a polymer chain and diversity-induced resonance

Patriarca, Marco; Scialla, Stefano; Heinsalu, Els; Yamakou, Marius E.; Cartwright, Julian H. E. Chaos : An Interdisciplinary Journal of Nonlinear Science 2025 / art. 073115 <https://doi.org/10.1063/5.0262633>

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

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

Enhanced control strategy for three-level T-type converters in hybrid power-to-X systems

Sassonker Elkayam, Moria; **Vinnikov, Dmitri** Applied sciences 2025 / art. 2409 <https://doi.org/10.3390/app15052409>

Fault diagnosis of output-side diode-bridge in isolated DC-DC series resonant converter

Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Vinnikov, Dmitri 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 <https://doi.org/10.1109/ENERGYCON53164.2022.9830339>

Higher harmonics in load-adapting mains Frequency resonant converter

Janson, Kuno; Järvik, Jaan; Vinnal, Toomas 8th International Conference on Harmonics and Quality of Power, October 14-16, 1998, Athens, Greece : proceedings. Vol. 2 1998 / p. 859-864 : ill <https://ieeexplore.ieee.org/document/760155>

Identification of mechanisms behind converter-related issues in power systems based on an overview of real-life events
De Rua, Philippe; Roose, Thomas; Sakinci, Özgür Can; **de Moraes Dias Campos, Nathalia**; Beerten, Jef Renewable and sustainable energy reviews 2023 / art. 113431 <https://doi.org/10.1016/j.rser.2023.113431> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Identification of the resonances of a cylindrical shell stiffened by an internal lengthwise rib
Klauson, Aleksander; Metsaveer, Jaan; Decultot, Dominique; Maze, Gerard; Ripoche, Jean The Journal of the Acoustical Society of America 1996 / 5, p. 3135-3143

Implementation of series resonance-based fault current limiter for enhanced transient stability of grid-connected photovoltaic farm
Demin, Slava; Barbie, Eli; Heistrene, Leena; **Belikov, Juri; Petlenkov, Eduard**; Levron, Yoash; Baimel, Dmitry Electronics (Switzerland) 2024 / art. 2987 <https://doi.org/10.3390/electronics13152987> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Indirect power factor correction method and corresponding sensorless switch-mode resonant AC/DC converter [Electronic resource]
Šklovski, Jevgeni; Janson, Kuno IECON'2006 : the 32nd Annual Conference of the IEEE Industrial Electronics Society :November 6-10, 2006, Paris : proceedings 2006 / p. 2378-2383 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4153375>

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>

Investigation of nonlinear targeted energy transfer (TET) phenomena in the presence of elastic membrane in duct acoustics with different BCs
Moezzi, Reza International journal of scientific & engineering research 2018 / p. 476-483 : ill <https://www.ijser.org/onlineResearchPaperViewer.aspx?Investigation-of-Nonlinear-Targeted-Energy-Transfer-TET-phenomena-in-the-Presence-of-Elastic-Membrane-in-Duct-Acoustics-with-Different-BCs.pdf>

LC circuit with alternating parallel and series resonance in switch-mode converters
Janson, Kuno; Järvik, Jaan; Šklovski, Jevgeni The 3rd International Conference Electric Power Quality and Supply Reliability, September 4...6, 2002, Haapsalu, Estonia : proceedings 2002 / p. 91-94 : ill

LC circuit with parallel and series resonance alternation in switch-mode converters = Paralleel- ja järjestikresonantsi vaheldumisega LC ahel lülitussageduslikes muundurites
Šklovski, Jevgeni 2007 https://www.ester.ee/record=b2238343*est

Load adapting mains frequency resonant converters for supplying electrical arc - a new way in power electronics
Janson, Kuno; Järvik, Jaan PESC '98 : Record of the 29th Annual IEEE Power Electronics Specialists Conference, Fukuoka, Japan, May 17-22, 1998. Vol. 2 1998 / p. 2090-2096: ill <https://ieeexplore.ieee.org/document/703468>

Low frequency acoustic radiation of cylindrical shells in water
Van de Loock, Julien; Decultot, Dominique; **Klauson, Aleksander** Proceedings of Meetings on Acoustics 2012 / art. 070019, p. 1-9 : ill <http://dx.doi.org/10.1121/1.4767967>

Multilayered core-shell structure of polyol-stabilized calcium fluoride nanoparticles characterized by NMR
Witter, Raiker; Roming, Marcus; Feldmann, Claus; Ulrich, Anne S. Journal of Colloid and Interface Science 2013 / p. 250 - 257 <https://doi.org/10.1016/j.jcis.2012.09.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

New practical approach to input current shaping in AC-DC power converters
Janson, Kuno; Bolgov, Viktor; Kütt, Lauri; Kallaste, Ants; Mölder, Heigo EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : abstracts 2008 / p. 8 https://www.researchgate.net/publication/241155011_New_Practical_Approach_to_Input_Current_Shaping_in_AC-DC_Power_Converters

New practical approach to input current shaping in AC-DC power converters [Electronic resource]
Janson, Kuno; Bolgov, Viktor; Kütt, Lauri; Kallaste, Ants; Mölder, Heigo EPE-PEMC 2008 : 2008 13th International Power Electronics and Motion Control Conference : 1-3 September 2008, Poznan, Poland : proceedings 2008 / p. 154-158 : ill. [CD-ROM] https://www.researchgate.net/publication/241155011_New_Practical_Approach_to_Input_Current_Shaping_in_AC-DC_Power_Converters

A new resonant fault current limiter for improved wind turbine transient stability
Demin, Slava; Sitbon, Moshe; Aharon, Ilan; Barbi, Eli; Machlev, Ram; **Belikov, Juri**; Levron, Yoash; Baimel, Dmitry Electric Power Systems Research 2023 / art. 109600, 8 p <https://doi.org/10.1016/j.eprsr.2023.109600> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical simulation of ultrasonic time reversal on defects in carbon fibre reinforced polymer

Lints, Martin; Salupere, Andrus; Dos Santos, Serge Wave motion 2020 / art. 102526, 10 p. : ill

<https://doi.org/10.1016/j.wavemoti.2020.102526> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Paralleel- ja järjestikresonantsi parameetrilise vaheldumisega võrgusageduslik resonantsmuundur ja selle rakendamine

Janson, Kuno 2001 https://www.eester.ee/record=b1465377*est

Parametric mechanism of excitation of the electroencephalographic rhythms by modulated microwave radiation

Hinrikus, Hiie; Bachmann, Maie; Lass, Jaanus International journal of radiation biology 2011 / p. 1077-1085 : ill

<https://pubmed.ncbi.nlm.nih.gov/21913816/>

Passive shaping of line current waveform by converter with alternating of parallel and series resonance in AC-DC switch mode power supplies

Janson, Kuno; Bolgov, Viktor; Kütt, Lauri; Kallaste, Ants; Mölder, Heigo ICECS 2008 : The 15th IEEE International Conference on Electronics, Circuits and Systems : 31st August to 3rd September 2008, Malta : conference guide 2008 / p. 37

<https://ieeexplore.ieee.org/document/4674795>

Passive shaping of line current waveform by converter with alternating of parallel and series resonance in AC-DC switch mode power supplies [Electronic resource]

Janson, Kuno; Bolgov, Viktor; Kütt, Lauri; Kallaste, Ants; Mölder, Heigo ICECS 2008 : The 15th IEEE International Conference on Electronics, Circuits and Systems : August 31 - September 3, 2008, Malta : [proceedings] 2008 / p. 77-80 : ill. [CD-ROM]

<https://doi.org/10.1109/ICECS.2008.4674795> <https://ieeexplore.ieee.org/document/4674795>

Performance improvement of PWM control methods for voltage step-down in series resonant DC-DC converters

Sidorov, Vadim; Chub, Andrii; Vinnikov, Dmitri Energies 2020 / art. en13174569 ; 18 p <https://doi.org/10.3390/en13174569> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photoluminescence study of B-trion in CVD grown MoS₂ monolayers [Online resource]

Kaupmees, Reelika; Krustok, Jüri Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p. : ill

<http://fntdk.ut.ee/teesid-2018/>

Professor Lavrentjev kurikuulsa infraheli ohtlikkuse uurimisest: teeme ära!

postimees.ee 2025 <https://www.postimees.ee/8189658/otse-postimehest-professor-juri-lavrentjev-kurikuulsa-infraheli-ohtlikkuse-uurimisest-teeme-ara>

Professor: soolapuhujad omistavad infrahelile müstilisi omadusi

Piir, Rait novaator.err.ee 2025 [Professor: soolapuhujad omistavad infrahelile müstilisi omadusi](#)

Protein resonance assignment at MAS frequencies approaching 100 kHz : a quantitative comparison of J-coupling and dipolar-coupling-based transfer methods

Penzel, Susanne; Smith, Albert A.; Agarwal, Vipin; Hunkeler, Andreas; **Org, Mai-Liis; Samoson, Ago;** Böckmann, Anja; Ernst,

Matthias; Meier, Beat H. Journal of Biomolecular NMR 2015 / p. 165 - 186 <https://doi.org/10.1007/s10858-015-9975-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Proteins in the insulin-secreting cell line MIN6 bind the imidazoline compound BL11282

Shafqat, Jawed; Ishrat, Moin; Jägerbrink, Theres; **Sillard, Rannar;** Mäeorg, Uno; Efendic, Suad; Berggren, Per-Olof; Zaitsev, Sergei V.; Jörmvall, Hans FEBS letters 2008 / 11, p. 1613-1617 <https://www.sciencedirect.com/science/article/pii/S0014579308003219>

Resonance phenomenon of wave interaction in inhomogeneous solids

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

Resonance scattering of the axially stiffened cylindrical shell in water

Klauson, Aleksander Third International Congress on Air- and Structure-borne Sound and Vibration, June 13-15, 1994, Montreal, Canada : proceedings. Vol. 3 1994 / p. 1589-1592: ill

Resonant converter as a transformer for varying the ratio between input and output currents

Janson, Kuno; Järvik, Jaan Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 4, p. 264-285

Sensor resonance and its influence on the measurement results of fast transients

Kütt, Lauri; Shafiq, Muhammad; Lehtonen, Matti; **Mölder, Heigo; Järvik, Jaan** Proceedings of the International Conference on Power Systems Transients (IPST2013) in Vancouver, Canada July 18-20, 2013 2013 / [7] p.: ill

https://www.ipstconf.org/papers/Proc_IPST2013/13IPST134.pdf

Simple and compatible resonant converter for supplying electric arc

Janson, Kuno; Järvik, Jaan; Vinnal, Toomas Power Electronics Conference : PCIM 2002, March 12-15, 2002, Shanghai, China : official proceedings of the international conference 2002 / p. 232-237 : ill

Startup implementation in universal power electronics interface with dual-standard output for DC microgrid applications
Chauhan, Sachin; Khan, Salman; Chub, Andrii; Vinnikov, Dmitri; Wunder, Bernd; Flores-Bahamonde, Freddy 2025 IEEE 19th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2025 / 6 p
<https://doi.org/10.1109/CPE-POWERENG63314.2025.11027310>

Step-Up series resonant DC-DC converter with bidirectional-switch-based boost rectifier for wide input voltage range photovoltaic applications
Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Vinnikov, Dmitri Energies 2020 / Art. 3747 <https://doi.org/10.3390/en13143747>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Stochastic multiresonance and correlation-time-controlled stability for a harmonic oscillator with fluctuating frequency
Mankin, Romi; Laas, Katrin; Laas, Tõnu; Reiter, Eerik Physical review E 2008 / 3, p. 031120 [11 p.]
<https://journals.aps.org/pre/abstract/10.1103/PhysRevE.78.031120>

Stochastic resonance in the case of a generalized langevin equation with a Mittag-Leffler friction kernel
Laas, Katrin; Mankin, Romi; Reiter, Eerik Advances in Mathematical and Computational Methods : proceedings of the 12th WSEAS International Conference on Mathematical and Computational Methods in Science and Engineering (MACMESE'10) 2010 / p. 313-318
https://www.researchgate.net/publication/228633262_Stochastic_resonance_in_the_case_of_a_Generalized_Langevin_equation_with_a_Mittag-Leffler_friction_kernel

Surface plasmon resonance studies of lipoprotein interactions
Lõokene, Aivar The 1st International Conference of Biomedical Spectroscopy : from Molecules to Man 2002 / ? p

The study of electrical resonance in a physics course
Gavrilov, Aleksei Journal of multidisciplinary engineering science studies 2019 / p. 2833-2836 : ill <http://www.jmess.org/wp-content/uploads/2019/10/JMESSP13420578.pdf>

Theoretical description of RESPIRATION-CP
Nielsen, Anders Bodholt; Tan, Kong Ooi; Shankar, Ravi; Penzel, Susanne; Cadalbert, Riccardo; Samoson, Ago; Meier, Beat H.; Ernst, Matthias Chemical Physics Letters 2016 / p. 150 - 156 <https://doi.org/10.1016/j.cplett.2015.12.043> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Возбужденное поглощение и ЭПР монокристаллов ZnS
Ots, Avo; Rebane, Kaie 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 / с. 339-345 : ил https://www.ester.ee/record=b1264310*est <https://www.etera.ee/zoom/19151/view?page=81&p=separate&tool=info&view=0,0,2236,3676>

Исследование локальной неупорядоченности в твердых растворах CdS_{1-x}Se_x методами ЯМР спектроскопии высокого разрешения
Lippmaa, J.; Varvas, Jüri Электронные материалы 1989 / с. 17-29

Об изложении параметрического резонанса в курсе общей физики
Reiter, Eerik; Mankin, Romi Методика преподавания физики в вузе 1991 / с. 7-12

Применение резонансного преобразователя с параметрическим чередованием параллельного и последовательного резонанса (ЧППР) для питания дуговых сталеплавильных печей
Janson, Kuno; Järvik, Jaan; Bolgov, Viktor Энергосбережение. Электроснабжению Автоматизация : материалы международной научно-технической конференции" : 22-23 ноября 2001 года, Гомель 2001 / с. 49-51 : ил

Резонансный преобразователь с параметрическим чередованием параллельного и последовательного резонанса и его переходные режимы
Janson, Kuno; Järvik, Jaan; Bolgov, Viktor 4th International Scientific Conference Efficiency and Power Quality of Electrical Supply of Industrial Enterprises : May 24-26, 2000, Mariupol, Ukraine : proceedings 2000 / с. 43-48 : ил