

Accuracy of voltage unbalance source assessment in three-phase three-wire electrical networks

Bolgov, Viktor; Kalyuzhnyi, Dmitry Proceedings of the 2020 Ural Smart Energy Conference (USEC) : 2020 USEC, Ekaterinburg, Russia 13-15 November 2020 / 4 p <https://doi.org/10.1109/USEC50097.2020.9281165>

AC-link based new microgrid system for research of local power flow management

Märss, Mairo; Annuk, Andres; Allik, Alo; Uiga, Jaanus Agronomy research 2014 / p. 553-562
https://agronomy.emu.ee/vol122/2014_2_26_b5.pdf [Journal metrics at Scopus](#) [Article at Scopus](#)

Aerial base station assisted cellular communication : performance and trade-off

Sharma, Navuday; Kumar, Atul; **Alam, Muhammad Mahtab**; Jindal, Anish; Imran, Muhammad Ali IEEE Transactions on Network Science and Engineering 2021 / p. 2765-2779 <https://doi.org/10.1109/TNSE.2021.3052984> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Amplitude-modulated low-power decoupling sequences for fast magic-angle spinning NMR

Agarwal, Vipin; **Tuherm, Tiit**; **Reinhold, Andres**; **Past, Jaan**; **Samoson, Ago**; Ernst, Matthias; Meier, Beat H. Chemical Physics Letters 2013 / p. 1-7 <https://doi.org/10.1016/j.cplett.2013.07.073> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

An improved high power factor three-phase diode rectifier employing zero-sequence inductance and ripple power re-rectification

Sakkos, Tiiu; **Sarv, Vello**; **Bolgov, Viktor** 3rd International Workshop Compatibility in Power Electronics : CPE 2003 : 28-30 May 2003, Gdansk - Zielona Gora, Poland 2003 / p. 124-126 : ill

An improved high power factor three-phase diode rectifier employing zero-sequence inductance and ripple power re-rectification [Electronic resource]

Sakkos, Tiiu; **Sarv, Vello**; **Bolgov, Viktor** 3rd International Workshop Compatibility in Power Electronics : CPE 2003 : 28-30 May 2003, Gdansk - Zielona Gora, Poland 2003 / p. 187-190 : ill. [CD-ROM]

Analyses of supply voltage quality, power consumption and losses affected by shunt capacitors for power factor correction

Vinnal, Toomas; **Janson, Kuno**; **Kalda, Heljut**; **Kütt, Lauri** PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 53-60 : ill

Analysis of switching conditions of IGBTs in modified sine wave qZSIs operated with different shoot-through control methods

Vinnikov, Dmitri; **Roasto, Indrek**; **Zakis, Janis**; **Ott, Silver**; **Jalakas, Tanel** Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 45-50 : ill
https://www.researchgate.net/publication/269779178_Analysis_of_Switching_Conditions_of_IGBTs_in_Modified_Sine_Wave_qZSIs_Operated_with_Different_Shoot-Through_Control_Methods

Analysis on AC motor losses due to harmonic levels increase caused by switched capacitor passive power factor correction

Mölder, Heigo; **Vinnal, Toomas**; Beldjajev, Viktor 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 42-46 : ill

Automootorite võimsus- ja ökonoomsusanõtajate parandamise võimalusi

Sillat, Rein Tehnika ja Tootmine 1971 / lk. 359-361 : ill https://www.ester.ee/record=b1073047*est

The bearing faults detection methods for electrical machines — the state of the art

Khan, Muhammad Amir; **Asad, Bilal**; **Kudelina, Karolina**; **Vaimann, Toomas**; **Kallaste, Ants** Energies 2023 / art. 296
<https://doi.org/10.3390/en16010296> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Calorimetric system for measurement of synchronous machine losses

Rasilo, Paavo; Ekström, J.; Haavisto, Ari; **Belahcen, Anouar**; Arkio, Antero IET electric power applications 2012 / p. 286-294 : ill
<https://homepages.tuni.fi/paavo.rasilo/pubs/Rasilo2012a.pdf>

Capacity reliability of water distribution systems

Vaabel, Joonas; **Koppel, Tiit**; **Ainola, Leo**; Sarv, Laur Journal of Hydroinformatics 2014 / p. 731-741
<https://doi.org/10.2166/hydro.2013.040> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CCM and DCM operation analysis of cascaded quasi-z-source inverter

Vinnikov, Dmitri; **Roasto, Indrek**; Strzelecki, Ryszard; Adamowicz, Marek Proceedings of IEEE International Symposium on Industrial Electronics : ISIE'2011 : 27-30 June 2011, Gdansk, Poland 2011 / p. 159-164 : ill

Comparative analysis of toolboxes to explore power converters of electrical drives

Egorov, Mikhail 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of

Comparison of decoupling control strategies for multiple active bridge DC-DC converter

Cai, Yicong; Buticchi, Giampaolo; Gu, Chunyang; Li, Jing; **Carvalho da Silva, Edivan Laercio**; Zhang, He 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227395>

Comparison of isolated boost full-bridge converters for power factor correction application

Zinchenko, Denys 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 2020 / p. 125-126 : ill https://www.ester.ee/record=b5291755*est

DC nano grid control in the residential energy router with the presence of constant power loads

Najafzadeh, Mahdiyyeh; Vinnikov, Dmitri; Husev, Oleksandr; Roasto, Indrek 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / p. 1-6 <https://doi.org/10.1109/ENERGYCON53164.2022.9830523>

Decompositional synthesis of control-dominated devices for power minimization

Kasirova, Lilia; Keevallik, Andres; Sudnitsõn, Aleksander Mixed design of integrated circuits and systems : proceedings of the 3rd Advanced Training Course : Mixed Design of Integrated Circuits and Systems - Education of Computer Aided Design of Modern ICs and Devices, MIXDES'96, Lodz, Poland, 30 May-1 June 1996 1996 / p. 189-194: ill

Digital control of PFC rectifier with combined feedforward and PI regulator

Verbytskyi, Ievgen; Blinov, Andrei; Emiliani, Pietro; Galkin, Ilja IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / p. 1-6 <https://doi.org/10.1109/IECON49645.2022.9968509> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Distributed price-based power management for multibuses DC nanogrids EEMS

Carvalho da Silva, Edivan Laercio; Bellinaso, Lucas V.; Cardoso, Rafael; Michels, Leandro IEEE journal of emerging and selected topics in power electronics 2022 / p. 5509-5521 <https://doi.org/10.1109/JESTPE.2022.3152101> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic reconfiguration for wide output voltage range isolated buck-boost PFC converter

Verbytskyi, Ievgen; Nadeem, Mohammad Mahad; Blinov, Andrei; Carvalho da Silva, Edivan Laercio; Chub, Andrii; Vinnikov, Dmitri 2023 IEEE 8th Southern Power Electronics Conference and 17th Brazilian Power Electronics Conference (SPEC/COBEP) 2023 / 5 p. : ill <https://doi.org/10.1109/SPEC56436.2023.10407792>

Efficiency optimization of the high-power isolated DC/DC converters through THD and losses reduction in isolation transformers [Electronic resource]

Vinnikov, Dmitri; Bolgov, Viktor International Conference on Renewable Energies and Power Quality : ICREPQ'09 : Valencia, Spain, 15th to 17th April, 2009 2009 / [7] p. : ill. [CD-ROM] https://www.researchgate.net/publication/237808470_Efficiency_Optimization_of_the_High-Power_Isolated_DCDC_Converters_through_THD_and_Losses_Reduction_in_Isolation_Transformers

An efficient non-inverting buck-boost converter with improved step up/down ability

Abdelrahim Abdelghafour, Omar Mohamed; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri; Pefitsis, Dimosthenis Energies 2022 / art. 4550 <https://doi.org/10.3390/en15134550> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Eluhoonete arvutusliku võimsuse määramine

1996 https://www.ester.ee/record=b1058140*est

Energeetika arendamisel tuleb jälgida võimsusbilanssi

Valdma, Mati Äripäev 2007 / 8. okt., lk. 37

Eriosade koostööst projekteerimisel

Tamm, Tiiu Elektriala 2013 / lk. 11-12 : ill https://artiklid.elnet.ee/record=b2654388*est

A fast current harmonic detection and mitigation strategy for shunt active filter

Firouzjah, Khalil Gorgani; **Ahmadihangar, Roya; Rosin, Argo; Häring, Tobias** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärda, Estonia, June 12-15, 2019 : proceedings 2019 / 5 p. : ill <https://doi.org/10.1109/PQ.2019.8818253>

Fault diagnosis of the tooth belt transmission of Cartesian robot

Autsou, Siarhei; Vaimann, Toomas; Rassõlkin, Anton; Asad, Bilal; Kudelina, Karolina; Huynh, Van Khang 2022 29th International Workshop on Electric Drives : Advances in Power Electronics for Electric Drives : IWED2022 : Moscow Power Engineering Institute, Moscow, Russia : 26th– 29th of January 2022 : Proceedings 2022 / 6 p <https://doi.org/10.1109/IWED54598.2022.9722578>

FSM state assignment for low power and power estimation under user-specified input sequences

Koegst, Manfred; Franke, Günter; Berndt, Th.; Feske, Klaus BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 385-388

Hairpin windings for electric vehicle motors : modeling and investigation of AC loss-mitigating approaches

Ghahfarokhi, Payam Shams; Podgornovs, Andrejs; Cardoso, Antonio J. Marques; **Kallaste, Ants; Belahcen, Anouar; Vaimann, Toomas** Machines 2022 / art. 1029 <https://doi.org/10.3390/machines10111029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Harmonic losses in induction motors caused by voltage waveform distortions

Mölder, Heigo; Vinnal, Toomas; Beldjajev, Viktor PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 143-148 : ill

High power factor single- and three-phase diode rectifiers using parallel re-rectification of the ripple power

Sakkos, Tiiu; Sarv, Vello The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 199-202 : ill

High-Gain Seven-Level Switched-Capacitor Two-Stage Multi-Level Inverter

Ahmed, Hassan Yousif; **Abdelrahim Abdelghafour, Omar Mohamed;** Ali, Ziad M. Frontiers in Energy Research 2022 / art. 869662 <https://doi.org/10.3389/fenrg.2022.869662>

Hydraulic power analysis for determination of characteristics of a water distribution system [Electronic resource]

Vaabel, Joonas; Ainola, Leo; Koppel, Tiit 8th Annual Water Distribution Systems Analysis Symposium : proceedings of WDSA 2006 : [Cincinnati, Ohio, USA], August 27-30, 2006 2006 / [9] p. : ill. [CD-ROM]

Hydraulic power analysis of flows in water distribution network

Koppel, Tiit; Ainola, Leo; Vassiljev, Anatoli CCWI 2005 : proceedings of the Eighth International Conference on Computing and Control for the Water Industry : Exeter, UK. Volume 1 2005 / p. 317-322

Hydraulic power capacity of water supply systems = Veevõrkude hüdrauliline võimsus

Vaabel, Joonas 2013 https://www.ester.ee/record=b2970192*est

Implementation of snubber circuits in power converters with high-voltage IGBTs

Jalakas, Tanel; Blinov, Andrei; Mölder, Heigo; Lehtla, Tõnu 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 42-45 : ill

Implementation possibilities of hybrid IGBT-IGCT switches in three-level NPC inverters

Blinov, Andrei; Vinnikov, Dmitri; Ivakhno, Volodymyr; Zamaruev, Vladimir COMPEL : the international journal for computation and mathematics in electrical and electronic engineering 2012 / p. 1917-1930 : ill <https://www.semanticscholar.org/paper/Implementation-possibilities-of-hybrid-IGBT%E2%80%90IGCT-in-Blinov-Vinnikov/c57ac29d7993543a1dcb4370fe7bf7a1fe44597c>

Improved maximum power point tracking algorithm for step-up/down partial power converters operating around zero partiality

Yadav, Neelesh; Hassanpour, Naser; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri IEEE journal of emerging and selected topics in power electronics 2024 / p. 1984-1994 <https://doi.org/10.1109/JESTPE.2024.3354843> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of regenerative braking to power characteristics of a gantry crane

Beldjajev, Viktor; Lehtla, Tõnu; Mölder, Heigo PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 73-77 : ill

Influence of variable energy flow to power characteristics

Beldjajev, Viktor; Lehtla, Tõnu; Mölder, Heigo 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 29-32 : ill

Joint planning of EV fast charging stations and power distribution systems with balanced traffic flow assignment

Yang, Wentao; Liu, Weijia; Chung, Chi Yung; **Wen, Fushuan** IEEE transactions on industrial informatics 2021 / p. 1795-1809 : ill <https://doi.org/10.1109/TII.2020.2995742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Kahe fotoelektrilise päikeseenergia kasutamise süsteemi (PS) analüüs esimese töötamisaasta andemete alusel.

Rakenduslikud soovitused PS-i kasutamiseks

Saikovski, Valeri TEUK XVII : taastuvate energiaallikate uurimine ja kasutamine : seitsmeteistkümnenda konverentsi kogumik = Investigation and usage of renewable energy sources : seventeenth conference proceedings : [2015 : Tartu] 2015 / lk. 70-79 : ill

Karburaatormootori võimsuse ja ökonoomsuse parendamise võimalusi

Soodla, Uve Tehnika ja Tootmine 1964 / lk. 22-26 ; ill https://www.ester.ee/record=b1073047*est

Kõrgendatud elektromagnetilise sobitavusega (ühitatavusega) reaktiivvõimsuse kompensatsiooni ja pingereguleerimisseadeldised

Järvik, Jaan Kõrgema tehnilise hariduse ja tehnilise mõtte areng Eestis 1988 / lk. 16-41

Laineenergia ja selle kasutamise varjukülgedest Läänemeres

Eelsalu, Maris; Soomere, Tarmo Põlevad ja mittepõlevad energiaallikad = Combustible and non-combustible energy resources 2016 2016 / lk. 16-19 : ill http://ise.elnet.ee/record=b2918095~S2*est

Load current harmonic sensitivity of AC/DC power converters of energy efficient devices = Energiatõhusate seadmete vahelduv-alalisvoolumuundurite koormusvoolu harmoonikute tundlikkus

Daniel, Kamran 2024 <https://doi.org/10.23658/taltech.35/2024> <https://digikogu.taltech.ee/et/item/6401470b-5c33-473d-b82c-5793dfb1c543>

Low power finite state machine synthesis

Fomina, Jelena 2005 https://www.ester.ee/record=b2097121*est

Low power synthesis based on information theoretic measures

Fomina, Jelena; Keevallik, Andres; Sudnitsõn, Aleksander 23rd International Conference on Microelectronics : MIEL 2002, Niš, Yugoslavia, 12-15 May 2002 : proceedings 2002 / p. 699-702 <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=1003354>

Mootori forsseerimise võimalustest

Lepik, Märt Tehnika ja Tootmine 1990 / 8, lk. 38-39: ill

An MPPT algorithm for PV systems based on a simplified photo-diode model

Restrepo, Carlos; Gonzalez-Castano, Catalina; Munoz, Javier; Chub, Andrii; Vidal-Ildarte, Enric; Giral, Roberto IEEE Access 2021 / p. 33189-33202 <https://doi.org/10.1109/ACCESS.2021.3061340> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Neljataktiliste mootorite võimsuse tõstmisest : [autodel]

Sillat, Rein Tehnika ja Tootmine 1971 / lk. 479-482 : ill https://www.ester.ee/record=b1073047*est

New active diode-switched transformer filters to improve power factor of three-phase diode rectifiers with capacitive smoothing

Sakkos, Tiiu; Sarv, Vello Proceedings of the Estonian Academy of Sciences. Engineering 1997 / 3, p. 158-170: ill

A new high power factor three-phase diode rectifier using zero-sequence inductance in the third-harmonic filter

Sakkos, Tiiu; Sarv, Vello The 4th International Conference Electric Power Quality and Supply Reliability : August 29...31, 2004, Pedase, Estonia : proceedings 2004 / p. 67-70 : ill

A new seven-level transformer-less grid-tied inverter with leakage current limitation and voltage boosting feature

Vosoughi Kurdkandi, Naser; Marangalu, Milad Ghavipanjeh; Husev, Oleksandr; Aghaie, Amir; Islam, Md. Rabiul; Siwakoti, Yam P.; Muttaqi, Kashem; Hosseini, Seyed Hossein IEEE journal of emerging and selected topics in industrial electronics 2023 / p. 228-241 <https://doi.org/10.1109/JESTIE.2022.3205546>

New unity power factor diode rectifiers using ripple-power re-rectification

Sakkos, Tiiu; Sarv, Vello Eighth International Conference on Power Electronics and Variable Speed Drives : 18-19 September 2000 2000 / p. 378-381 : ill <https://ieeexplore.ieee.org/document/888953>

Novel power factor correction method and topology for AC/DC converters

Janson, Kuno; Järvik, Jaan; Šklovski, Jevgeni 51. IWK : Internationales Wissenschaftliches Kolloquium, 11.-15.09.2006 : proceedings 2006 / p. 349-350 https://www.db-thueringen.de/servlets/MCRFileNodeServlet/dbt_derivate_00018153/IWK_2006_6_2_1.pdf

Numerical scaling and speed-power-optimization of polysilicon transistors & circuits

Bubennikov, Alexander 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. 41-46: ill https://www.ester.ee/record=b1064031*est

Numerical simulations for reverse recovery process investigations of LPE GaAs power diodes

Koel, Ants; Rang, Toomas; Voitovitš, Viktor; Toompuu, Jana BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 39-42 : ill

On hydraulic power capacity of water supply system

Koppel, Tiit; Ainola, Leo; Vaabel, Joonas Integrating Water Systems : proceedings of the Tenth International Conference on Computing and Control in the Water Industry 2009 : CCWI2009 : Sheffield, UK, 1-3 September 2009 2009 / p. 551-555

On the problem of FSM networks power estimation capability

Kasirova, Lilia; Karabanov, Aleksandr PATMOS '98 : 8th international workshop : Lyngby, Denmark, October 7-9, 1998 1998
<https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=3779affbc32be31e7560645f02b808148f8c356a>

Operation and design of series-resonant current-source full-bridge dc-dc converter

Verbytskyi, Ievgen; **Blinov, Andrei; Vinnikov, Dmitri**; Pefitsis, Dimosthenis IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / 6 p <https://doi.org/10.1109/IECON48115.2021.9589548> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Outlook for creation of a controlled reactor for a nominal voltage of 1150 kV, power of 500-1000 MVA

Biki, M.; Järvi, Jaan Soviet electrical engineering 1991 / p. 44-45 https://www.ester.ee/record=b5680973*est

Overcoming EMI problems in the high-power high-frequency DC/DC converters - a case study

Vinnikov, Dmitri; Laugis, Juhan Технічна електродинаміка 2006 / 5, p. 33-37 : ill

Power analyse and new loss minimization possibilities of a tram system

Joller, Jüri; Lehtla, Madis 10th International Power Electronics and Motion Control Conference : EPE-PEMC 2002, Cavtat & Dubrovnik : 9-11 September 2002, Cavtat & Dubrovnik, Croatia 2002

Power and frequency control principles of different European synchronous areas

Pulkkinen, Svetlana; Attikas, Raivo 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / p. 200-204

Power Electronics and Energy Management for Battery Storage Systems

2022 <https://doi.org/10.3390/books978-3-0365-5278-1>
https://www.mdpi.com/journal/energies/special_issues/peem_for_battery_storage_systems

Power factor correction of three-phase diode rectifiers using optimum ripple currents injection [Electronic resource]

Sakkos, Tiiu; Sarv, Vello EPE 2005 Dresden : 11th European Conference on Power Electronics and Applications : 11-14 September 2005, Dresden, Germany 2005 / [7] p. : ill. [CD-ROM] <https://ieeexplore.ieee.org/abstract/document/1665413/similar#similar>

Power factor correction of three-phase diode rectifiers using optimum ripple-power control

Sakkos, Tiiu; Sarv, Vello EPE-PEMC 2004 : 11th International Power Electronics and Motion Control Conference : 2-4 September 2004, Riga, Latvia : proceedings. Vol.5 of 7, Power supply quality, renewables, power systems and DER 2004 / p. 5-397 - 5-401 : ill

Power optimized PV microinstallation in the field condition tests

Sibinski, Maciej; Rogowski, Szymon 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 5 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604366>

Power plant ash composition transformations during load cycling [Online resource]

Rummel, Leo; Nešumajev, Dmitri; Konist, Alar Chemical engineering transactions 2018 / p. 655-660 : ill
<https://doi.org/10.3303/CET1870110> [Journal metrics at Scopus](#) [Article at Scopus](#)

Power Stage MOSFETs Segmentation in Ripple Controlled Step-Down SMPS [Online resource]

Mihhailov, Juri; Koort, Marko; **Rang, Toomas** 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.2018.8600960>

Preliminary analysis of PMU measurements for power quality assessment

Löper, Mari 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 189-190 : ill
https://www.ester.ee/record=b5183874*est

Põhifondide ja võimsuste loomise tsükli lühendamisest

Korrovits, Harri Интенсификация строительства в условиях усовершенствования хозяйственного механизма : тезисы докладов республиканской научной конференции 14 мая 1982 года, г. Таллин 1982 / с. 16-18
https://www.ester.ee/record=b1275874*est

Radio spectrum and power optimization cognitive techniques for wireless body area networks = Raadiospektri ja võimsuse optimeerimise kognitiivsed tehnikad traadita kehavõrkudele

Ahmed, Tauseef 2017 <https://digi.lib.ttu.ee/i/27677> https://www.ester.ee/record=b4677631*est

Reactive power sharing and voltage control for islanded microgrids at low voltage level

Helguero Cruz, Jorge Luis; Hutter, T.; **Armstorfer, Andreas**; Rosin, Argo; **Biechl, Helmuth** 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 133-137 : ill http://ise.elnet.ee/record=b2950045~S2*est

Recent contributions, future prospects and limitations of interlinking converter control in hybrid AC/DC microgrids
Najafzadeh, Mahdiyyeh; Ahmadihangar, Roya; Husev, Oleksandr; Roasto, Indrek; Jalakas, Tanel; Blinov, Andrei IEEE
Access 2021 / art. 9312595, p. 7960–7984 <https://doi.org/10.1109/ACCESS.2020.3049023> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

RF power amplifier control curve approximation

Koort, Marko The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000
: October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 71-74 : ill

Semiconductor power loss reduction and efficiency improvement techniques for the galvanically isolated quasi-Z-source DC-DC converters = Galvaaniliselt isoleeritud kvaasiimpedantsallikaga alalispingemuunduri pooljuhtide võimsuskao vähendamine ja kasuteguri suurendamine

Liivik, Liisa 2015 https://www.ester.ee/record=b4484169*est

Series buck-boost partial power converter based on the push-pull converter

Abdelrahim Abdelghafour, Omar Mohamed; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri IECON 2022 : 48th Annual Conference of the IEEE Industrial Electronics Society : 17-20 Oct. 2022 2022 / code. 184962
<https://doi.org/10.1109/IECON49645.2022.9968574> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Shade-tolerant PV microconverters

Sidorov, Vadim; Bakeer, Abualkasim Ahmed Ali; Maheri, Hamed Mashinchi; Hassanpour, Naser; Rahman, Showrov; Chub, Andrii Distributed Energy Systems 2023 / p. 1-22 <https://doi.org/10.1201/9781003229124-17>

Short-term planning of active power generation in hydro-thermal power system under incomplete information

Valdma, Mati; Keel, Matti; Liik, Olev Tallinna Tehnikaülikooli Toimetised 1990 / lk. 3-16: ill

Simulation study of a centrifugal pumping plant's power consumption at throttling and speed control

Gevorkov, Levon; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [5] p. : ill <http://dx.doi.org/10.1109/RTUCON.2017.8124823>

Stability analysis of the quasi-Z-source DC/DC converter based on small signal model [Electronic resource]

Husev, Oleksandr; Vinnikov, Dmitri; Roasto, Indrek SPEEDAM 2012 : Sorrento (Italy) - June 20-22, 2012 : 21st edition of the International Symposium on Power Electronics, Electrical drives, Automation and Motion 2012 / p. 298-303 : ill [CD-ROM]
<https://ieeexplore.ieee.org/document/6264524>

Step-up/down partial power converter with enhanced MPPT efficiency around zero partiality

Yadav, Neelesh; Chub, Andrii; Hassanpour, Naser; Blinov, Andrei; Vinnikov, Dmitri 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p <https://doi.org/10.1109/RTUCON60080.2023.10412980>

Tariffs for reactive power supplied from distribution networks

Loonurm, Maarja; Raesaar, Peeter; Tiigimägi, Eeli PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 29-34 : ill

Three-phase four wire high-frequency link converter for residential DC grids

Emiliani, Pietro; Blinov, Andrei; de Carne, Giovanni; Arena, Gabriele; Vinnikov, Dmitri 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227416>

Transmitter power control in wireless communication systems = Saatja võimsuse juhtimine traadita sidesüsteemis

Koort, Marko 2005 https://www.ester.ee/record=b2063838*est

Tuulevõimsuse standardhälbest

Tomson, Teolan; Erm, Ants; Pirk Saar, Raimo TEUK X : Taastuvate energiaallikate uurimine ja kasutamine : kümnenda konverentsi kogumik 2008 / lk. 40-48 https://artiklid.elnet.ee/record=b1205153*est

Using SAT-based techniques in low power state assignment

Sagahyroon, Assim; Aloul, Fadi; Sudnitsõn, Aleksander Journal of circuits, systems, and computers 2011 / p. 1605-1618 : ill
<https://www.worldscientific.com/doi/10.1142/S0218126611007980>

Variations of power demand and wind power generation and their influence to the operation of power systems = Elektritarbimise ja tuulegeneraatorite võimsuse muutused ja nende mõju elektrisüsteemi talitlusele

Kiik, Kalle 2009

VAZ 2106 mootori forsseeritavuse uurimine

Lukk, A.; Sillat, Rein XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 119 https://www.ester.ee/record=b1322611*est

Voolu tekitava laengujaotuse probleem elektrijuhis ja võimendava laengutüürimise väljavaated selles
Taniloo, Rainer Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 71-77 https://www.ester.ee/record=b1399956*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

Võimsuse juhtimine GSM-mobiiltelefonis

Koort, Marko Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 57-67 : ill https://www.ester.ee/record=b1399956*est

Ökonoomsete negatiivse diferentsiaaltakistusega astmete ja elementide disainimine ja optimeerimine

Taniloo, Rainer 2005 https://www.ester.ee/record=b2073482*est

Анализ и измерение мощности рассеяния в полупроводниковых переключаяющих приборах

Järvalt, Aldur Тезисы докладов научно-технической конференции, посвященной Дню радио 1974 / с. 47 https://www.ester.ee/record=b1294751*est

Анализ мощности холостого хода дезинтегратора

Kont, J.; Popova, O.; Tümanok, Aleksei Тезисы докладов XXXI студенческой научно-технической конференции 1980 / с. 36-37 https://www.ester.ee/record=b1319482*est

Анализ погрешностей измерения датчиков мощности типа ШИМ-АМ

Seppel, Simmu Труды по электротехнике и автоматике : сборник статей. 12 1974 / с. 127-136 : илл https://www.ester.ee/record=b2190668*est <https://digikogu.taltech.ee/et/Item/57b94a1f-6879-4443-b6f2-322fd7e53d89>

Вероятностное описание и учет отклонений фактических генерируемых мощностей от задаваемых при планировании режимов ЕЭС СССР

Valdma, Mati; Sovalov, S.A. Известия Академии наук СССР. Энергетика и транспорт 1975 / с. 31-38 : илл https://www.ester.ee/record=b1563509*es

Ветроэнергетические установки малой мощности

Грейвулис Я.; Вaleyнис Я. Тезисы докладов семинара "Новые направления научных исследований в области электромеханики" 1991 / с. 61-62

Датчик мощности

Veesalu, Valter; Seppel, Simmu Тезисы докладов республиканской научно-технической конференции, посвященной 80-летию со дня изобретения радио А. С. Поповым 1975 / с. 97-98 https://www.ester.ee/record=b1322122*est

Двумерный анализ процесса выключения силового транзистора

Rudski, V.A.; Kõverik, Kait Проблемы моделирования и измерения в электронике 1986 / с. 83-93

Динамическая погрешность измерения средней мощности

Järvalt, Aldur-Eduard Труды по электротехнике и автоматике : сборник статей. 12 1974 / с. 87-93 : илл https://www.ester.ee/record=b2190668*est <https://digikogu.taltech.ee/et/Item/57b94a1f-6879-4443-b6f2-322fd7e53d89>

Идентификация и оценка влияния источников несимметрии напряжений в трехфазных трехпроводных электрических сетях

Sayenko, Yuri; Kalyuzhniy, Dmitry; **Bolgov, Viktor** Технічна електродинаміка = Technical Electrodynamics 2019 / с. 65-73 : илл <https://doi.org/10.15407/techned2019.06.065> [Journal metrics at Scopus](https://www.scopus.com/journal/view/doi/10.15407/techned2019.06.065) [Article at Scopus](https://www.scopus.com/article/view/doi/10.15407/techned2019.06.065)

Измеритель параметров силовых транзисторов ИПСТ-3

Laansoo, Ants; Männama, Vello; Pikkov, Otto Измерение и моделирование в электронике 1987 / с. 114-117

Исследование механических характеристик электродвигателей малой мощности

Varvas, Toivo; **Rannat, Erich** 35 научная конференция студентов втузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция САПР в машиностроении [и др.] 1991 / с. 36-37 : ил

Исследование электрических нагрузок стройплощадок метрополитенов с целью повышения эффективности использования трансформаторной мощности : Автореф. дис. на соиск. учен. степ. канд. техн. наук : (05.09.03)

Belitski, Valeri 1979 <http://primo.nl.r.u>

Исследование эффективности учета вероятностей исходной информации при оптимизации распределения активных мощностей в энергетической системе

Valdma, Mati; Morel, Ants XXVI студенческая научно-техническая конференция вузов Молдавской ССР, Белорусской ССР и Прибалтийских республик, 21-23 апреля 1982 г : Тезисы докладов Ч. 1 : Общественные науки. Математика. Энергетика. Электrofизика 1982 / с. 91

К вопросу вероятностного моделирования мощностей узлов энергосистемы

Raesaar, Peeter; Tiigimägi, Eeli Энергетические системы : сборник статей. 4 1971 / с. 55-60

https://www.ester.ee/record=b2190160*est <https://digikogu.taltech.ee/et/Item/11b4e565-83af-4f6a-bb6c-5b365ff0252d>

К вопросу о регулировании частоты в объединенных энергосистемах

Terno, Olaf 1957 https://www.ester.ee/record=b1384748*est <https://digikogu.taltech.ee/et/Item/e40298fe-7a78-4eec-928b-efd541bb1462>

Математическое моделирование процесса изменения мощности собственных нужд конденсационных электростанций

Sild, Ants Вопросы стохастического управления режимами энергетических систем 1987 / с. 77-85

Некоторые детерминированные и вероятностные математические модели для оптимизации краткосрочных режимов энергетических систем по активным мощностям

Valdma, Mati Вопросы стохастического управления режимами энергетических систем 1982 / с. 27-49

https://www.ester.ee/record=b1303314*est <https://digikogu.taltech.ee/et/Item/617e3ed8-f4b2-44d4-bb85-9e34947be143>

О выборе мощности двигателя кулачковых и решетчатых дорожных катков

Vahelaid, Olav-Aleksander; Platonov, A.I. Теоретическое и экспериментальное исследование автомобильных дорог и автомобильного транспорта Эстонской ССР в условиях интенсивной автомобилизации 1982 / с. 61-70 : илл

https://www.ester.ee/record=b1302169*est <https://digikogu.taltech.ee/et/Item/895b0a8e-d6bd-41e3-b8d8-f76bf242b2fe>

О допустимой погрешности расчета относительных приростов потерь активной мощности

Raesaar, Peeter Проблемы оптимизации в электроэнергетике : республиканская конференция Эстонской ССР (19-20 июня 1969 г.) 1969 / с. 26-28 https://www.ester.ee/record=b1344826*est

О коллективной теплоотдаче плавниковых поверхностей нагрева

Veski, Arvo; Dutkevits, S.; Martšenkov, Vladimir Тезисы докладов XXXI студенческой научно-технической конференции 1980 / с. 73-74 https://www.ester.ee/record=b1319482*est

О комплексной оптимизации мгновенных режимов электроэнергетических систем по активным и реактивным мощностям в условиях неполной информации

Valdma, Mati Методы управления режимами энергетических систем 1980 / с. 13-25 https://www.ester.ee/record=b1267052*est <https://digikogu.taltech.ee/et/Item/6a1bcdd3-48bc-4eb7-82a6-0d1748ab0afc>

О корректировании планов активной мощности электроэнергетических систем в вероятностно-определенных условиях

Keel, Matti Энергетические системы. 6 1976 / с. 3-10 : илл https://www.ester.ee/record=b2190764*est <https://digikogu.taltech.ee/et/Item/29c0dace-ec62-42eb-bb12-1eff5fe77294>

О линеаризации узловых мощностей электрических сетей

Raesaar, Peeter; Tiigimägi, Eeli Вопросы стохастического управления режимами энергетических систем 1982 / с. 51-61

https://www.ester.ee/record=b1303314*est <https://digikogu.taltech.ee/et/Item/617e3ed8-f4b2-44d4-bb85-9e34947be143>

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

О результатах статистического анализа потоков активных мощностей в энергообъединениях

Keel, Matti Методы управления режимами энергетических систем 1980 / с. 27-34 : илл https://www.ester.ee/record=b1267052*est <https://digikogu.taltech.ee/et/Item/6a1bcdd3-48bc-4eb7-82a6-0d1748ab0afc>

Определение формул потерь активной мощности генераторов

Leisalu, Aarne Вопросы стохастического управления режимами энергетических систем 1983 / с. 41-49 : ил https://www.ester.ee/record=b1286752*est <https://digikogu.taltech.ee/et/Item/b141cd1d-47a3-4711-8322-8d98db01d64a>

Оптимизация активных мощностей в гидротепловой энергосистеме

Valdma, Mati; Keel, Matti; Liik, Olev Тезисы докладов X научной конференции : Моделирование электроэнергетических систем, Каунас, 1991 1991 / с. 22-23

Основные вопросы аналитической механики : уравнение возможной мощности

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

Оценка мощности периодического сигнала произвольного периода на фоне шумов

Kangur, Oleg; Martverk, Peep; Heinrichsen, Vladimir Теоретические основы методов и приборов измерения параметров слабых сигналов 1978 / с. 3-8 https://www.ester.ee/record=b1507107*est <https://digikogu.taltech.ee/et/Item/1524861c-27a1-4936-be6e-31160db82c3b>

Повышение мощностных, экономических и экологических характеристик двухтактных карбюраторных двигателей : материалы Таллиннского всесоюзного научно-технического семинара, 1-3 декабря 1987 года 1988 https://www.ester.ee/record=b1226891*est

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

Программа оптимизации краткосрочных режимов электроэнергетических систем по активным мощностям (ОПЭЭС-1)

Lelumees, Heino Методы управления режимами энергетических систем 1980 / с. 35-41 : илл https://www.ester.ee/record=b1267052*est <https://digikogu.taltech.ee/et/Item/6a1bcdd3-48bc-4eb7-82a6-0d1748ab0afc>

Регулирование активной и реактивной мощностей межсистемного звена постоянного тока = Réglage des puissances actives et réactives d'un chaînon interréseaux à courant continu

Buatšidze, Sergei 1957 https://www.ester.ee/record=b1383682*est <https://digikogu.taltech.ee/et/Item/5d21b0e9-fe5a-4fff-9446-2ec4ed0774ff>

Результаты корреляционного анализа отклонений генерируемых мощностей элементов ЭЭС

Keel, Matti Проблемы оптимизации в электроэнергетике : тезисы II республиканской конференции ЭССР : [Таллин 26-27 ноября 1974 года] 1974 / с. 53-55 https://www.ester.ee/record=b1346480*est

Статистическое определение максимальной среднесменной мощности

Belitski, Valeri; Plaštšanski, L.A. Угольное машиностроение : Научно-технический реферативный сборник 1978 / с. 5-7

Управление 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

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