

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 power consumption and losses in relation to supply voltage quality [Electronic resource]

Vinnal, Toomas; Janson, Kuno; Kalda, Heljut EPE 2009 : 13th European Conference on Power Electronics and Applications : 8-10 September 2009, Barcelona, Spain 2009 / [9] p. : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/5278764>

Basics of optimal design of district heating pipelines diameters and design examples of Estonian old non-optimised district heating networks

Hlebnikov, Aleksandr; Siirde, Andres; Paist, Aadu 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 149-153 : ill

Calorimetric system for measurement of synchronous machine losses

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

Comparison of the power losses in 1700V Si IGBT and SiC MOSFET modules including reverse conduction [Electronic resource]

Rabkowski, Jacek; Platek, Tadeusz EPE'15 ECCE Europe : 8-10 September 2015, Geneva, Switzerland : 17th European Conference on Power Electronics and Applications 2015 / [10] p. : ill. [USB] <http://dx.doi.org/10.1109/EPE.2015.7309444>

Eestlaste siider haihtus teel Nigeeriasse : [TTÜ materjaliuuringute keskuse teadlased uurisid Saku õlletehase siidri metallpurkide lekke põhjuseid]

Berendson, Risto Postimees 2010 / 5. mai, lk. 7 <https://leht.postimees.ee/258622/eestlaste-siider-haihtus-teel-nigeeriasse>

Effect of mechanical stress on excess loss of electrical steel sheets

Singh, Deepak; Rasilo, Paavo; Martin, Florian; **Belahcen, Anouar**; Arkkio, Antero IEEE transactions on magnetism 2015 / [4] p. : ill <http://dx.doi.org/10.1109/TMAG.2015.2449779>

Effect of rotor pole-shoe construction on losses of inverter-fed synchronous motors

Rasilo, Paavo; **Belahcen, Anouar**; Arkkio, Antero IEEE transactions on industry applications 2014 / p. 208-217 : ill

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

Estimation of heat losses in district heating networks

Hlebnikov, Aleksandr; Siirde, Andres Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2004 / p. 91-95 : ill

Experimental determination and numerical evaluation of core losses in a 150-kVA wound-field synchronous machine

Rasilo, Paavo; **Belahcen, Anouar**; Arkkio, Antero Electric power applications, IET 2013 / p. 97-105 : ill <https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-epa.2012.0242>

Experimental study of high step-up quasi-Z-source DC-DC converter with synchronous rectification

Liivik, Liisa; Chub, Andrii; Vinnikov, Dmitri; Zakis, Janis 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 409-414 : ill <http://dx.doi.org/10.1109/CPE.2015.7231110>

Explainability-based trust algorithm for electricity price forecasting models

Heistrene, Leena; Machlev, Ram; Perl, Michael; **Belikov, Juri**; Baimel, Dmitry; Levy, Kfir; Mannor, Shie; Levron, Yoash Energy and AI 2023 / art 100259, 18 p <https://doi.org/10.1016/j.egyai.2023.100259> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fuel distribution at simultaneous power and heat generation

Rušeljuk, Pavel 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 222-226 : ill

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

Heat loss due to domestic hot water pipes

Hamburg, Anti; Mikola, Alo; Parts, Tuule Mall; Kalamees, Targo Energies 2021 / art. 6446 <https://doi.org/10.3390/en14206446>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Identification of synchronous machine magnetization characteristics from calorimetric core-loss and no-load curve measurements

Rasilo, Paavo; Abdallah, Ahmed Abou-Elyazied; **Belahcen, Anouar**; Arkkio, Antero; Dupré, Luc IEEE transactions on magnetics 2015 / [4] p. : ill <http://dx.doi.org/10.1109/TMAG.2014.2354055>

Iron losses, magnetoelasticity and magnetostriction in ferromagnetic steel laminations

Rasilo, Paavo; Singh, Deepak; **Belahcen, Anouar**; Arkkio, Antero IEEE transactions on magnetics 2013 / p. 2041-2044 : ill
<https://homepages.tuni.fi/paavo.rasilo/pubs/Rasilo2013b.pdf>

Kaugkütte soojuskaod

Ingermann, Karl Keskkonnatehnika 2012 / lk. 27-30 : ill https://artiklid.elnet.ee/record=b2491986*est

Load leveling and loss minimization in tram systems - possibilities and challenges

Vinnikov, Dmitri; Hõimoja, Hardi; Rosin, Argo; Egorov, Mikhail Технічна електродинаміка 2009 / Тематический выпуск: Силова електроніка та енергоефективність. 1, с. 83-88 : ill

Multiport converter with integrated energy storage for hydrogen buffer interfacing with renewable energy systems [Electronic resource]

Andrijanovitš, Anna; Blinov, Andrei; Husev, Oleksandr; Vinnikov, Dmitri 2012 IEEE International Conference on Industrial Technology : proceedings CD 2012 / p. 235-240 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6209943>

Nutrient losses and hydrological processes in small agricultural catchments. Some results of measurements in Norway, Latvia and Estonia

Vagstad, Nils; Jansons, Viesturs; **Loigu, Enn** Scientific Basis to Mitigate the Nutrient Dispersion into the Environment : Falenty/Nadarzyn near Warsaw, December 13-14, 1999 : conference proceedings 2000 / p. 216-223 : ill

Nutrient losses and NAMPP balances in small agricultural watersheds in Estonia

lital, Arvo; Loigu, Enn; Vagstad, Nils Nordic hydrology 2003 / 5, p. 531-542 : ill
https://www.researchgate.net/publication/279600565_Nutrient_Losses_and_N_P_Balances_in_Small_Agricultural_Watersheds_in_Estonia

Nutrient losses and NP balances in small agricultural watersheds in Estonia

lital, Arvo; Loigu, Enn; Vagstad, Nils XXII Nordic Hydrological Conference : Roros, Norway, 4-7 August 2002. Vol. I 2002 / p. 221-228 : ill

Nutrient losses from agricultural areas in the Gulf of Riga drainage basin

Vagstad, Nils; Jansons, Viesturs; **Loigu, Enn**; Deelstra, Johannes Ecological engineering 2000 / p. 435-441

Nutrient losses from agriculture in Estonia

lital, Arvo EcoRegion perspectives 2011 / p. 19-20

Nutrient losses from two small agricultural catchments in Estonia

Loigu, Enn; lital, Arvo Nordic Hydrological Conference : Uppsala, Sweden, 26-30 June 2000. Vol. 1 2000 / p. 139-145

Power losses analysis in thermal design of a synchronous reluctance motor

Shams Ghahfarokhi, Payam; Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 5 p. : ill <https://doi.org/10.1109/RTUCON48111.2019.8982256>

Prediction of semiconductor losses in a high-power high-voltage DC/DC converter

Jalakas, Tanel; Vinnikov, Dmitri 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 114-117 : ill

Põlevkivi kaod [Võrguväljaanne]

Uibopuu, Lembit; Saarnak, Martin; Valgma, Ingo Mäendus 2014 / lk. 100-108 : ill
http://www.ene.ttu.ee/maeinstituut/kogumik/2014/Maendus_2014_Maeinstituut.pdf

Põlevkivi rikastamisel tekkivate põlevaine kadude hindamisest

Kala, Raimond Tootmise ökonoomika ja organiseerimise kateedri uurimistöid. 3 1966 / lk. 77-90 : ill., tab
https://www.ester.ee/record=b1434385*est <https://digikogu.taltech.ee/et/Item/852417b0-b65a-428f-bb49-b871fbaed9e8>

Põlevkivikadudest

Saarnak, Martin; Uibopuu, Lembit Inseneeria 2015 / lk. 42-45 : ill https://artiklid.elnet.ee/record=b2720905*est

Real-time estimation of transmission losses from PMU measurements

Tuttelberg, Kaur; Kilter, Jako IEEE PowerTech 2015 : Eindhoven, Holland, 29 June-02 July, 2015 2015 / [5] p. : ill <http://dx.doi.org/10.1109/PTC.2015.7232313>

Reduction of heat loss in the district heating network by the replacement of pipe insulation using prefabricated polyurethane foam shells

Mašatin, Vladislav; Volkova, Anna; Hlebnikov, Aleksandr DHC13 : the 13th International Symposium on District Heating and Cooling : September 3rd to September 4th, 2012, Copenhagen, Denmark 2013 / p. 163-166

Reduction of oil shale losses

Valgma, Ingo; Väizene, Vivika; Kolats, Margit; Karu, Veiko; Pastarus, Jüri-Rivaldo; Rahe, Tiit; Iskül, Riho Environment. Technology. Resources : proceedings of the 9th International Scientific and Practical Conference. Volume 1 2013 / p. 201-205 : ill https://www.researchgate.net/publication/259850736_Reduction_of_Oil_Shale_Losses

Segregation of iron losses from rotational field measurements and application to electrical machine

Belahcen, Anouar; Rasilo, Paavo; Arkkio, Antero IEEE transactions on magnetism 2014 / p. 893-896 : ill <https://doi.org/10.1109/TMAG.2013.2284606> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Strategy for analysis of loss situation and identification of loss sources in electricity distribution networks

Raesaar, Peeter; Tiigimägi, Eeli; Valtin, Juhan Oil shale 2007 / 2S, p. 297-307 https://www.researchgate.net/publication/228789489_Strategy_for_analysis_of_loss_situation_and_identification_of_loss_sources_in_electricity_distribution_networks

Uncertainty propagation of iron loss from characterization measurements to computation of electrical machines

Belahcen, Anouar; Rasilo, Paavo; Nguyen, Thu-Trang; Clénet, Stephane COMPEL : The international journal for computation and mathematics in electrical and electronic engineering 2015 / p. 624-636 : ill <http://dx.doi.org/10.1108/COMPEL-10-2014-0271>

Ways to reduce switching losses in motor drive inverters

Vodovozov, Valery; Lehtla, Tõnu 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 3-9 : ill

Veelekkesensor – tuvastab veelekke sinu kodus!

Tiitma, Helen Studioosus 2013 / lk. 16

Влияние потерь горючей массы на себестоимость энергетического сланца при его обогащении

Kala, Raimond XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 16-17 https://www.ester.ee/record=b1359832*est

Графические методы расчета тепловых потерь котельных агрегатов

Saar, Gustav XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 135 https://www.ester.ee/record=b1359832*est

Измерение потерь воды в жилых зданиях города Таллин

Reisman, J.; Sandberg, A.; Aitsam, Ain Сборник научных трудов студентов. 4 1965 / с. 37-41 : илл https://www.ester.ee/record=b2181987*est <https://digikogu.taltech.ee/et/Item/15040af2-b264-4339-b7b1-c0140de7d1c1>

Исследование потерь воды у водопотребителей города Таллина

Aitsam, Ain Сборник статей по санитарной технике. 1 1964 / с. 53-63 : илл https://www.ester.ee/record=b2085151*est <https://digikogu.taltech.ee/et/Item/56972baf-c3b8-4c5d-a24d-4837b838dacc>

Исследование потерь давления в винтовом канале электромагнитных насосов

Kiil, P.; Reimal, Lembit; Mežburd, Volf; Teearu, Viktor; Teesalu, I. Электромагнитные насосы для транспорта жидких металлов 1965 / с. 125-137 : ил. https://www.ester.ee/record=b2083931*est

К вопросу оценки потерь горючей массы при обогащении энергетических сланцев

Kala, Raimond Добыча и переработка горючих сланцев 1966 / с. 95-106 : ил., табл https://www.ester.ee/record=b2110626*est

К вопросу сохранения потерь отбитого сланца в лавах треста "Эстонсланец"

Sits, K.; **Kala, Raimond** Сланцевая и химическая промышленность : бюллетень научно-технической информации 1965 / с. 7-9
https://www.ester.ee/record=b1889951*est

К методике определения экономических последствий при уменьшении потерь сланца в условиях шахт Эстонского месторождения

Lüütre, Enn Проблемы подземной и открытой разработки горючих сланцев и нерудных материалов 1980 / с. 47-50
https://www.ester.ee/record=b1263934*est <https://digikogu.taltech.ee/et/Item/915e3571-8bba-45c4-80d3-fe543d9e4760>

О потерях напора при неустановившемся движении несжимаемой жидкости в жестких напорных трубопроводах

Liiv, Uno Сборник статей по санитарной технике. 2 1965 / с. 21-27 : илл https://www.ester.ee/record=b2085145*est
<https://digikogu.taltech.ee/et/Item/49ebaf41-bd72-4622-904e-749785b287a6>

Об эффективности видов утеплений на потерю тепла через пол коровника

Kompus, Valdo Труды по строительной механике : сборник статей. 3 1970 / с. 77-84 : илл https://www.ester.ee/record=b2189980*est
<https://digikogu.taltech.ee/et/Item/cb50984d-414d-4d6b-bd3f-9e9456870054>

Определение потерь вихревых токов от поперечного поля в прямоугольной пластине

Rannu, Lembit Исследование и проектирование электромагнитных средств перемещения жидких металлов : сборник трудов. 4 1966 / с. 79-88 : илл https://www.ester.ee/record=b2100520*est <https://digikogu.taltech.ee/et/Item/68300884-f47a-42d1-a1ff-2e4a489053ce>

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>

Потери механической энергии при периодическом движении жидкости в напорной трубе

Kask, Endel Прогнозирование и регулирование качества воды водоемов и исследование методов очистки природных и сточных вод 1980 / с. 17-23 : илл https://www.ester.ee/record=b1283634*est <https://digikogu.taltech.ee/et/Item/dcc66d6e-5806-4d18-869a-be4e1dcef643>

Потери напора при внезапном расширении структурного потока бингамовской жидкости

Säärekõnnu, Jüri; Tepaks, Leo Сборник статей по санитарной технике. 7 1971 / с. 21-30 : илл https://www.ester.ee/record=b2085078*est <https://digikogu.taltech.ee/et/Item/53c66a62-49cf-4ac1-aac1-10a86184e25f/>

Приближенный расчет вихревых потерь в элементах магнитопроводов с правильной формой поперечного сечения

Randmer, Uudus; Siimar, Rein Автоматизированные магнитогидродинамические и линейные электроприводы и их элементы 1983 / с. 73-78 : ил https://www.ester.ee/record=b1286734*est <https://digikogu.taltech.ee/et/Item/be5b8088-6554-4822-8046-f3dbd15c2b74>

Пути снижения потерь сланца при добыче : [сборник материалов]

1982 https://www.ester.ee/record=b1467094*est

Экспериментальное исследование потерь напора на микрофильтрах

Lond, Heldur; Tepaks, Leo Сборник статей по санитарной технике. 2 1965 / с. 51-57 : илл https://www.ester.ee/record=b2085145*est
<https://digikogu.taltech.ee/et/Item/49ebaf41-bd72-4622-904e-749785b287a6>