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Title: <u>Processes of energy redistribution between parallel connected capacitors</u> **Authors:** SUPRUNOVSKA N.I., SHCHERBA A.A. **Source:** Tekhnichna Elektrodynamika 4: 3–11, 2015

Title: Improved method for calculation of parameters of electromagnetic and power processes in electric circuits with steel in saturation mode Authors: ZAGIRNYAK M., PRUS V., MILJAVEC D. Source: Tekhnichna Elektrodynamika 4: 12–18, 2015

Title: <u>Modeling of the magnetic nanoparticles dynamics by separation</u> **Authors:** BONDAREVSKYI S., KONDRATENKO I., TOLMACHEV S. **Source:** Tekhnichna Elektrodynamika 4: 19–24, 2015

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Title: Creating a matrix converter input current in sliding mode when the mains voltage unbalance Authors: MYSAK T.V., MYKHALSKYI V.M. Source: Tekhnichna Elektrodynamika 4: 25–30, 2015 Title: <u>Multiphase power conversion system with hybrid switching strategy of modulated</u> <u>inverters</u> **Authors:** OLESCHUK V., ERMURATSKII V. **Source:** Tekhnichna Elektrodynamika 4: 31–35, 2015

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Title: <u>Comparative analysis of energy efficiency of induction motors direct field-oriented torque</u> <u>controllers with torque per ampere maximization</u> **Authors:** PERESADA S.M., KOVBASA S.M., DYMKO S.S., BLAGODIR V.O. **Source:** Tekhnichna Elektrodynamika 4: 36–40, 2015

Title: Methodology for calculating according to the averaged magnetic field the energy parameters of the axial arc-stator induction motor with uncompensated winding **Authors:** RASHCHEPKIN A., KARLOV O., KRYSHCHUK R. **Source:** Tekhnichna Elektrodynamika 4: 41–47, 2015

Subject Categories: Electric power systems and installations

Title: <u>Hybrid filter-compensating converters for three-phase systems with nonlinear and variable loads</u> Authors: ZHARKIN A.F., NOVSKY V.O., MALAKHATKA D.O. Source: Tekhnichna Elektrodynamika 4: 48–52, 2015

Title: Modeling the inertial responce of the interconnected power system of Ukraine with high penetration of renewables Authors: PAVLOVSKYI V.V., STELIUK A.O., LENGA O.V., ZAKHAROV A.M. Source: Tekhnichna Elektrodynamika 4: 53–56, 2015

Title: <u>The questions of an integrated excitation control system of synchronous machines</u>

construction in the interconnected power system Authors: AGAMALOV O.M., BUTKEVYCH O.F. Source: Tekhnichna Elektrodynamika 4: 57–61, 2015

Title: <u>Capacity control of transport lines of Kazakhstan National electric grid in real time using</u> <u>synchronized phasor data measurements</u> **Authors:** TOKHTIBAKIEV K.K., SAUHIMOV A.A. **Source:** Tekhnichna Elektrodynamika 4: 62–65, 2015

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Title: Intelligent systems in the management of modes in the traction power supply systems of the electrified railways Authors: BOSYI D.O. Source: Tekhnichna Elektrodynamika 4: 76–80, 2015

Title: Congestion management and minimization of price difference between coupled electricity markets Authors: BLINOV I.V., PARUS Ye.V. Source: Tekhnichna Elektrodynamika 4: 81–88, 2015

Subject Categories: Information-measuring systems in power engineering

Title: Analysis of sampling error on the accuracy of laser range finders based on the discrete

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