# ☐ 3 TECHNICAL ELECTRODYNAMICS 2011

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Subject Categories: Theoretical electrical engineering and electrophysics

**Title:** <u>Peculiarities of asymmetrical control of reactive components reversal in an</u> <u>*RLC* -circuit</u> **Authors:** SHYDLOVSKA N.A, FASTOVA S.S. **Source:** Tekhnichna Elektrodynamika 3: 3–9, 2011

Subject Categories: Conversion of electric energy parameters

Title: Foundations of constructing compression magnetic semiconductor devices for both electropulse technology and pulsed lasers Authors: VOLKOV I.V., ZOZULEV V.I., SHOLOKH D.O. Source: Tekhnichna Elektrodynamika 3: 10–18, 2011

**Title:** <u>Speed control of a matrix converter excited doubly-fed induction machine</u> **Authors:** SHAPOVAL I.A., CLARE J.C. **Source:** Tekhnichna Elektrodynamika 3: 19–25, 2011

Title: Systematization of transformer switching executive structures for voltage converters with

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Authors: LYPKIVSKYI K.O. Source: Tekhnichna Elektrodynamika 3: 26–32, 2011

## Subject Categories: Electromechanical energy conversion

Title: Power losses from misbalanced current in multi-stranded windings of slotless electric machines Authors: ANTONOV A., KIREIEV V., PETUHOV I. Source: Tekhnichna Elektrodynamika 3: 33–39, 2011

**Title:** <u>Thermal and thermomechanical characteristics of stator elements dynamically of</u> <u>turbogenerator TΓB-200 under various conditions of ventilation rods winding</u> **Authors:** KUCHINSKII K.A. **Source:** Tekhnichna Elektrodynamika 3: 40–45, 2011

## Subject Categories: Electric power systems and installations

**Title:** <u>Integrated power quality index in electric power systems and networks</u> **Authors:** KUZNETSOV V.G., SHPOLIANSKYI O.G., YAREMCHUK N.A. **Source:** Tekhnichna Elektrodynamika 3: 46–52, 2011 Title: <u>Methods of definition of components of total power in systems of electric propulsion</u> **Authors:** KOSTIN N.A., PETROV A.V. **Source:** Tekhnichna Elektrodynamika 3: 53–59, 2011

## Subject Categories: Electrotechnological complexes and systems

**Title:** <u>Dynamic modes of the electromagnetic oscillator</u> **Authors:** VYSHTAK T.V., KONDRATENKO I.P., RASHCHEPKIN A.P. **Source:** Tekhnichna Elektrodynamika 3: 60–66, 2011

Title: Optimization of discharge technologies on applying base of pulse current generator with two discharge circuits Authors: TERTILOV R.V. Source: Tekhnichna Elektrodynamika 3: 67–72, 2011

## Subject Categories: Information-measuring systems in power engineering

Title: Improving of accuracy of the impedance measuring in the channels of the direct conversion with narrow scale range Authors: MELNIK V.G., SEMENYCHEVA L.M. Source: Tekhnichna Elektrodynamika 3: 73–80, 2011 Institute of Electrodynamics, 2011