## ☐ 1 TECHNICAL ELECTRODYNAMICS 2014

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Subject Categories: Theoretical electrical engineering and electrophysics

Title: Synthesis of electrical circuits with capacitive energy storages in semiconductor formers

of power discharge pulses

**Authors:** SHCHERBA A.A., SUPRUNOVSKA N.I. **Source:** Tekhnichna Elektrodynamika 1: 3–11, 2014

**Title:** The study of the effect of weakening of static geomagnetic field by steel columns

**Authors:** ROZOV V.Yu., REUTSKYI S.Yu., LEVINA S.V. **Source:** Tekhnichna Elektrodynamika 1: 12–19, 2014

Title: Computer modeling of thermal processes in single-phase transformer considering

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Authors: KUCHERIAVA I.M.

Source: Tekhnichna Elektrodynamika 1: 20–27, 2014

Title: Vector hysteresis model at periodic electromagnetic field

Authors: PETUKHOV I.S.

Source: Tekhnichna Elektrodynamika 1: 28–34, 2014

**Subject Categories: Conversion of electric energy parameters** 

Title: Dual three-phase multiinverter system controlled by specialized algorithms of

synchronized PWM: MATLAB-based steady-state analysis

**Authors:** OLESCHUK V., PRUDEAK R., SIZOV A. **Source:** Tekhnichna Elektrodynamika 1: 35–40, 2014

Title: The minimization strategy of undesirable instantaneous power components with different

topologies of shunt active filter

Authors: MYKHALSKYI V.M., SOBOLEV V.M., CHOPYK V.V., SHAPOVAL I.A.

Source: Tekhnichna Elektrodynamika 1: 41-50, 2014

Title: Particular features of magnetic coupling between input and output capacitors of RFI

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Authors: GURIN V.K., PAVLOVSKYI V.O., YURCHENKO O.M.

Source: Tekhnichna Elektrodynamika 1: 51-56, 2014

Title: Phase stabilizer and its properties

**Authors:** MUZYCHENKO O.D., MUZYCHENKO Yu.O. **Source:** Tekhnichna Elektrodynamika 1: 57–66, 2014

**Title:** Energy efficiency of power supple systems for a subway

**Authors:** ZHEMEROV G.G., TUGAY D.V., KHOLOD O.I. **Source:** Tekhnichna Elektrodynamika 1: 67–74, 2014

Subject Categories: Electromechanical energy conversion

**Title:** Effect on circulation disorders distillate on thermomechanical stresses in isolation of the

stator winding of the turbogenerator by power 800 Mw

Authors: KUCHYNSKYI K.A.

Source: Tekhnichna Elektrodynamika 1: 75–80, 2014

## **Subject Categories: Electric power systems and installations**

**Title:** Three-phase measuring channels of vectors of voltage and current, their influence on accuracy of measurements

Authors: STOGNII B.S., SOPEL M.F., VARSKYI G.M., YAKOVLEVA I.V.

Source: Tekhnichna Elektrodynamika 1:81-87, 2014

Title: Construction, technology and research methods in ultrahigh temperature electrical

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Authors: FALKOVSKYI M.I., PRYMAK O.V.

Source: Tekhnichna Elektrodynamika 1: 88-95, 2014

**Title: Information for subscribers** 

Source: Tekhnichna Elektrodynamika 1: 96-96, 2014

Institute of Electrodynamics, 2014