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TECHNICAL ELECTRODYNAMICS
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Subject Categories: Theoretical electrical engineering and electrophysics

Title: Development of difference equations method for analysis of transient processes in the circuits of electro-discharge systems at stochastic changing of load resistance
Authors: SHCHERBA A.A., IVASHCHENKO D.S., SUPRUNOVSKA N.I.
Source: Tekhnichna Elektrodynamika 3: 3–11, 2013

Subject Categories: Conversion of electric energy parameters

Title: Shunt active filter control strategy with partial decrease of zero-sequence voltage in three-phase four-wire system
Authors: POLISHCHUK S.Y., ARTEMENKO M.Yu., MYKHALSKYI V.M., BATRAK L.M., SHAPOVAL I.A.
Source: Tekhnichna Elektrodynamika 3: 12–19, 2013

Title: General-theoretical solution of observation problem of rotor flux vector of induction motor using sliding modes
Authors: PERESADA S.M., TRANDAFILOV V.N
Source: Tekhnichna Elektrodynamika 3: 20–25, 2013

Title: Combined control cycloconverter
Authors: BUKINA E.Ja., KHARITONOV S.A.

Source: Tekhnichna Elektrodynamika 3: 26–32, 2013

Title: Algorithms shutdown three-phase transformers and its related processes
Authors: KHALIKOV V.A.
Source: Tekhnichna Elektrodynamika 3: 33–39, 2013

Subject Categories: Electromechanical energy conversion

Title: Harmonious analysis of electromagnetic sizes three-phase winding of stators of turbogenerator on basis classic and numeral field methods
Authors: MILYKH V.I., POLIAKOVA N.V.
Source: Tekhnichna Elektrodynamika 3: 40–49, 2013

Title: Mathematical modeling of eddy currents and losses in end packets turbo generator stator core oscillator
Authors: VASKOVSKYI Ju.M., TYTKO O.I.
Source: Tekhnichna Elektrodynamika 3: 50–56, 2013

Title: Universal model of hybrid vehicle for agricultural purposes
Authors: TRETIAK M.V.
Source: Tekhnichna Elektrodynamika 3: 57–60, 2013

Subject Categories: Electric power systems and installations

Title: Comparative analysis of two approaches to solving the problem of short-term forecasting of the total electrical load of a power system
Authors: CHERNENKO P., MARTYNIUK O., POPOV S., BODYANSKIY Ye.
Source: Tekhnichna Elektrodynamika 3: 61–72, 2013

Title: Optimal compensation of the pulsating current at asymmetrical voltage

Authors: SIROTIN Yu.O.
Source: Tekhnichna Elektrodynamika 3: 73–80, 2013

Subject Categories: Electrotechnological complexes and systems

Title: A study on effectiveness of water purification from organic impurities by pulse discharges

Authors: BOZHKO I.V., CHARNYI D.V.
Source: Tekhnichna Elektrodynamika 3: 81–86, 2013

Subject Categories: Information-measuring systems in power engineering

Title: Dynamic properties of frequency-phase laser range finder systems with digital frequency synthesizers
Authors: BRAGYNETS I.O., ZAITSEV E.O., LATENKO V.I., ORNATSKYI I.A., LOGVYNENKO I.V.
Source: Tekhnichna Elektrodynamika 3: 87–92, 2013

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