
□ 2

**TECHNICAL ELECTRODYNAMICS
2013**

CONTENTS

Subject Categories: Theoretical electrical engineering and electrophysics

Title: [The magnetic field of power transmission lines and the methods of its mitigation to a safe level](#)

Authors: ROZOV V.Yu., REUTSKYI S.Yu., PELEVIN D.Ye., PYLIUGINA O.Yu.

Source: Tekhnichna Elektrodynamika 2: 3–9, 2013

Title: [Computer modeling of electrothermal processes and thermomechanical stress at induction heating of moving copper ingots](#)

Authors: SHCHERBA A.A., PODOLTSEV O.D., KUCHERIAVA I.M., USHAKOV V.I.

Source: Tekhnichna Elektrodynamika 2: 10–18, 2013

Title: [Mathematical model of development of processes on the cathode of electric contacts](#)

Authors: MILYKH V.I., PAVLENKO T.P.

Source: Tekhnichna Elektrodynamika 2: 19–24, 2013

Subject Categories: Conversion of electric energy parameters

Title: [Analytical construction of coordinate systems in theory of instantaneous power of three-phase circuits to control the active filtering devices](#)

Authors: POLISHCHUK S.Y., ARTEMENKO M.Yu., MYKHALSKYI V.M.

Source: Tekhnichna Elektrodynamika 2: 25–35, 2013

Title: [Unified systems of angular position control based on passivity principle](#)

Authors: PERESADA S.M., ONANKO A.Yu.

Source: Tekhnichna Elektrodynamika 2: 36–42, 2013

Title: [Impact resistance switching rectifier resistance burning arc of technology microplasma torch](#)

Authors: SPIRIN V.M.

Source: Tekhnichna Elektrodynamika 2: 43–49, 2013

Title: [Transient processes at the power supply output circuits which operates with non-stationary technological load](#)

Authors: RUDENKO Yu.V.

Source: Tekhnichna Elektrodynamika 2: 50–57, 2013

Subject Categories: Electromechanical energy conversion

Title: [Magnetic field the system excitation on permanent magnets of the synchronous motor with hollow a rotor](#)

Authors: KONDRATENKO I.P., RASHCHEPKIN A.P., VYSHTAK T.V., KARLOV O.M.

Source: Tekhnichna Elektrodynamika 2: 58–63, 2013

Title: [The comparative analysis of low power electric generators with a permanent magnets and salient pole stator design modifications](#)

Authors: GREBENIKOV V.V.

Source: Tekhnichna Elektrodynamika 2: 64–68, 2013

Title: [Diagnostics of latent defects of the short-circuited rotor winding of asynchronous motor by an induction method](#)

Authors: VASKOVSKYI Ju.M., KOVALENKO M.A.

Source: Tekhnichna Elektrodynamika 2: 69–74, 2013

Subject Categories: Electric power systems and installations

Title: [On-line redetermination of the total transfer capacity of supervised interfaces](#)

Authors: KYRYLENKO O.V., PAVLOVSKYI V.V., LUKIANENKO L.M., USHCHAPOVSKYI K.V., ZAICHENKO V.B.

Source: Tekhnichna Elektrodynamika 2: 75–84, 2013

Title: [Improving energy efficiency electrohydraulic system](#)

Authors: BOIKO V., SILVESTROV A., SKRYNNIK O., SOTNYK N.

Source: Tekhnichna Elektrodynamika 2: 85–90, 2013

Title: [RECOMMENDATIONS for authors in relation to the publication of the articles in a magazine "Tekhnichna Elektrodynamika"](#)

Source: Tekhnichna Elektrodynamika 2: 91–92, 2013

Institute of Electrodynamics, 2013