
No 2
TECHNICAL ELECTRODYNAMICS
2007

CONTENTS

Subject Categories: □ □ □ □ □ **Theoretical electrical engineering and electrophysics**

Title: [Three-dimensional finite element simulation of thermal processes in underground cable lines of trenchless laying](#)

Authors: KUCHERJAVA I.N.

Source: Tekhnichna Elektrodynamika 2: 3–9, 2007

Title: [Corona discharge on conducting liquid surface and its application for water processing](#)

Authors: BOZHKO I.V., FALKOVSKY N.I.

Source: Tekhnichna Elektrodynamika 2: 9–14, 2007

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

Title: [Voltage synchronization in cascaded neutral-point-clamped inverters](#)

Authors: OLESCHUK V., YAROSHENKO E., PROFUMO F., TENCONI A.

Source: Tekhnichna Elektrodynamika 2: 15–20, 2007

Title: [Generalized current dependences in windings of a sectionalized autotransformer of a discrete voltage regulator on parameters of a regulation field](#)

Authors: LIPKOVSKY K.A., MOZHAROVSKY A.G.

Source: Tekhnichna Elektrodynamika 2: 20–24, 2007

Title: [A mathematical model and a control system of a single-phase phase-controllable reactor](#)

Authors: BILOKHA D.O.

Source: Tekhnichna Elektrodynamika 2: 25–29, 2007

Title: [Special features of software for creation of negative systems of electrotechnical devices control](#)

Authors: SCHERBA A.A., KIRIK V.V.

Source: Tekhnichna Elektrodynamika 2: 30–34, 2007

Subject Categories: Electromechanical energy conversion

Title: [Stick-slip frictions in electromechanical systems and their removal](#)

Authors: KLEPIKOV V.B., ASMOLOVA L.V., OBRUCH I.V.

Source: Tekhnichna Elektrodynamika 2: 35–41, 2007

Title: [Electromechanical power converters with a small gap](#)

Authors: AFONIN A.A.

Source: Tekhnichna Elektrodynamika 2: 41–47, 2007

Title: [Determination of the main dimensions of face asynchronous motors at designing](#)

Authors: DAVYDOV A.N., ONOPRICH L.V., ONOPRICH V.P.

Source: Tekhnichna Elektrodynamika 2: 47–49, 2007

Title: [Dynamics of an electric drive of a rod oil producing plant](#)

Authors: MALJAR A.V.

Source: Tekhnichna Elektrodynamika 2: 50–54, 2007

Title: [Simulation of an electric vibrator operation with a coaxial-linear induction motor at different control actions](#)

Authors: GOLENKOV G.M., BONDAR R.P., MAKOGON S.A., BOGAENKO M.V., POPKOV V.S.

Source: Tekhnichna Elektrodynamika 2: 54–59, 2007

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

Title: [Location of a single-phase earthing](#)

Authors: STOJNIY B.S., ROGOZA V.V., SOPEL M.F., GOLUBOV O.Yu.

Source: Tekhnichna Elektrodynamika 2: 60–63, 2007

Subject Categories: □ □ □ □ □ □ **Information measuring systems**

Title: [About creation of diagnostics bridge information-measuring systems of alternating current and their application in medicine](#)

Authors: GRINEVICH F.B., MELNIK V.G.

Source: Tekhnichna Elektrodynamika 64: 3–67, 2007

Subject Categories: □ □ □ □ □ □ **Pages of the past**

Title: [To the 50-th anniversary of MHD-conversions investigation of power modes in the National Academy of Sciences of Ukraine](#)

Authors: GANEFELD R.V.

Source: Tekhnichna Elektrodynamika 2: 68–80, 2007

[Abstracts](#)