
□ 3

**TECHNICAL ELECTRODYNAMICS
2014**

CONTENTS

Subject Categories: Theoretical electrical engineering and electrophysics

Title: [Transients in *RLC* -Circuit with heterogeneous plasma-erosive load](#)

Authors: SHYDLOVSKA N.A., ZAKHARCHENKO S.M.

Source: Tekhnichna Elektrodynamika 3: 3–11, 2014

Title: [Modeling of nonlinear resistance of electro-spark load for synthesis of discharge circuit of capacitor by time parameters](#)

Authors: SHCHERBA A.A., SUPRUNOVSKA N.I., IVASHCHENKO D.S.

Source: Tekhnichna Elektrodynamika 3: 12–18, 2014

Title: [Numerical simulation of losses and heating in the constructional elements of transformers of ferromagnetic steel](#)

Authors: IVANKOV V.F., BASOVA A.V., KHIMJUK I.V.

Source: Tekhnichna Elektrodynamika 3: 19–27, 2014

Title: [The modeling of three-phase transformer as a lumped-distributed parameter system](#)

Authors: ZIRKA S.E., MOROZ Yu.I.

Source: Tekhnichna Elektrodynamika 3: 28–32, 2014

Subject Categories: Conversion of electric energy parameters

Title: [Control of a matrix converter input reactive power](#)

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

Source: Tekhnichna Elektrodynamika 3: 33–41, 2014

Title: [Features of the processes of change of output voltage regulators rectified current built of transformer-and-switches executive structure](#)

Authors: LYPKIVSKYI K.O., MOZHAROVSKYI A.G.

Source: Tekhnichna Elektrodynamika 3: 42–46, 2014

Title: [Dynamic characteristics of the rectifier with pulse width modulation](#)

Authors: SHCHERBAK Ya.V., IVAKINA K.Ya.

Source: Tekhnichna Elektrodynamika 3: 47–51, 2014

Subject Categories: Electromechanical energy conversion

Title: [Relay vector control system of permanent magnet brushless motors with dc link current sensor](#)

Authors: AKININ K.P.

Source: Tekhnichna Elektrodynamika 3: 52–55, 2014

Title: [Dynamics of force action in turbogenerators with different tooth-slot structures in nominal mode](#)

Authors: MILYKH V.I., POLIAKOVA N.V.

Source: Tekhnichna Elektrodynamika 3: 56–63, 2014

Title: [Electromechanical characteristics coaxial-linear motor with axial and radial direction of magnetization permanent magnets](#)

Authors: GOLENKOV G.M., ABBASIAN MOHSEN.

Source: Tekhnichna Elektrodynamika 3: 64–69, 2014

Subject Categories: Electric power systems and installations

Title: [The automatic sectionalization of the distributing networks with high voltage of 6–10 kV with application the disconnectors of new generation](#)

Authors: BUINYI R., DIKHTIARUK I.V., ZORIN V.

Source: Tekhnichna Elektrodynamika 3: 70–75, 2014

Subject Categories: Electrotechnological complexes and systems

Title: [Power supply for pulse electric discharge technology in water treatment](#)

Authors: BOZHKO I.V., KOBYLCHAK V.V.

Source: Tekhnichna Elektrodynamika 3: 76–81, 2014

Subject Categories: Information-measuring systems in power engineering

Title: [Telemetry of over small temperature differences by means of the differential resistor thermosensor](#)

Authors: MELNYK V.G., NOVIK A.I., RUBANCHUK M.P., VASYLENKO O.D.

Source: Tekhnichna Elektrodynamika 3: 82–85, 2014

Title: [Coaxial thermometric bridge with equipotential protection](#)

Authors: MELESHCHUK D.V., MIKHAL O.O., WARSZA Z.L.

Source: Tekhnichna Elektrodynamika 3: 86–90, 2014

Title: [Increasing the noise immunity of the phase laser ranging systems](#)

Authors: BRAGYNETS I.O., ZAITSEV E.O., KONONENKO O.G., MASJURENKO Yu.A., NIZHENSKYI A.D.

Source: Tekhnichna Elektrodynamika 3: 91–96, 2014

Title: [Device for precision measuring of the dielectric parameters of the high voltage insulation](#)

[under working voltage](#)

Authors: BORSHCHOV P.I., OBODOVSKY V.D.

Source: Tekhnichna Elektrodynamika 3: 97–99, 2014

Title: [TO THE 60TH ANNIVERSARY of Corresponding Member of NAS Ukraine](#)

[A.F.ZHARKIN](#)

Source: Tekhnichna Elektrodynamika 3: 100–100, 2014

Institute of Electrodynamics, 2014