
No 6
TECHNICAL ELECTRODYNAMICS
2007

CONTENTS

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

Title: [Influence of humidity and air motion on properties of a positive corona](#)

Authors: BOZKO I.V., ARISTOV Yu.V., BELINSKY V.V.

Source: Tekhnichna Elektrodynamika 6: 3–8, 2007

Title: [An external magnetic field control of engineering objects with the sources of a control field of a surface-distributed type](#)

Authors: ASSUIROV D.A.

Source: Tekhnichna Elektrodynamika 6: 8–14, 2007

Title: [Influence of a pulse shape of an external magnetic field on electrodynamic efforts deforming a cylindrical shell](#)

Authors: LYUTENKO L.A., MIKHAILOV V.M.

Source: Tekhnichna Elektrodynamika 6: 15–19, 2007

Title: [A method of SLAE computation of static plain- parallel fields in piece-homogeneous environments \(secondary sources: simple layer of charges; piece-permanent and piece-linear approximations\)](#)

Authors: STADNIC I.P., FILIPPOV D.M.

Source: Tekhnichna Elektrodynamika 6: 20–27, 2007

Title: [Analysis of external low frequency electromagnetic fields influence on bioelectric activity of a human's cerebrum](#)

Authors: REZINKINA M.M., SCHERBA A.A.

Source: Tekhnichna Elektrodynamika 6: 28–32, 2007

Subject Categories: Conversion of electric energy parameters

Title: [Synchronous PWM control of symmetrical split-phase induction machines](#)

Authors: OLESCHUK V., SIZOV A., PROFUMO F., PRUDEAK R., TENCONI A.

Source: Tekhnichna Elektrodynamika 6: 33–36, 2007

Title: [Three-phase rectifier-reactor source of reactive power \(SRP\)](#)

Authors: FEDIY V.S., NAMESTNIK S.G.

Source: Tekhnichna Elektrodynamika 6: 36–38, 2007

Title: [Power supply source of constant current of a smelting furnace on a basis of three single-phase rectifiers](#)

Authors: PROSKUDIN V.N., BOLOTASHVILI A.A., SAPON V.I., PENTEGOV I.V., STEMKOVSKY E.P., SHEIKOVSKY D.A.

Source: Tekhnichna Elektrodynamika 6: 39–43, 2007

Subject Categories: Electromechanical energy conversion

Title: [Comparative analysis of excitation systems of electromechanical converters](#)

Authors: ANTONOV A.E., PETUKHOV I.S.

Source: Tekhnichna Elektrodynamika 6: 44–47, 2007

Title: [Computation of adjusting systems of rotation frequency of motors with pulse primary sensors](#)

Authors: AKININ K.P.

Source: Tekhnichna Elektrodynamika 6: 47–51, 2007

Title: [Determination of non-sinusoidality coefficient at pulse control of synchronous generators](#)

Authors: KONOPLEV K.G.

Source: Tekhnichna Elektrodynamika 6: 52–53, 2007

Subject Categories: Electric power systems and installations

Title: [Normative adjustment of electric quality in power supply systems of a general purpose of Ukraine and countries of the European Union](#)

Authors: ZHARKIN A.F., PALACHEV S.A.

Source: Tekhnichna Elektrodynamika 6: 54–60, 2007

Title: [Improvement of an electricity user payment for reactive energy](#)

Authors: VOLKOV A.V., MIROSHNICHENKO O.G.

Source: Tekhnichna Elektrodynamika 6: 61–67, 2007

Title: [About excitation current components of current transformers with a magnetic core of a nano-crystalline alloy](#)

Authors: STOGNIY B.S., MASLYANIK V.V.

Source: Tekhnichna Elektrodynamika 6: 67–74, 2007

Subject Categories: Our heroes of the day

Title: [To the 85th anniversary of academician of NAS of Ukraine F.B.Grinevich](#)

Source: Tekhnichna Elektrodynamika 6: 75–76, 2007

Title: [To the 70th anniversary of doctor of science M.M.Yurchenko](#)

Source: Tekhnichna Elektrodynamika 6: 76–77, 2007

Title: [INDEX of papers in 2007](#)

Source: Tekhnichna Elektrodynamika 6: 78–80, 2007

[Abstracts](#)