

---

**No 1**  
**TECHNICAL ELECTRODYNAMICS**  
**2008**

---

**CONTENTS**

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

**Title:** [Investigation of processes in nonlinear cyclic circuits by Bogoljubov's averaging method](#)

**Authors:** SHIDLOVSKA N.A., KRAVCHENKO O.P., SAMOILENKO V.G.

**Source:** Tekhnichna Elektrodynamika 1: 3–7, 2008

**Title:** [Basic descriptions of probabilistic distribution of free electrons in a conductor with an electric conduction current](#)

**Authors:** BARANOV M.I.

**Source:** Tekhnichna Elektrodynamika 1: 8–12, 2008

**Title:** [A near-field region of power supply lines in a system of data communications](#)

**Authors:** ZHUIKOV V.Ya., ROZVADOVSKY A.F.

**Source:** Tekhnichna Elektrodynamika 1: 12–16, 2008

**Title:** [To a computation of plane-parallel open electromagnetic systems](#)

**Authors:** ZAGIRNJAK M.V., BRANSPIZ Yu.A.

**Source:** Tekhnichna Elektrodynamika 1: 16–19, 2008

**Title:** [Control of an external magnetic field of technical objects with surface-distributed sources of a control field in a closed system](#)

**Authors:** ASSUIROV D.A.

**Source:** Tekhnichna Elektrodynamika 1: 19–24, 2008

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

**Title:** [A modified rule of multiplkation of Fourier series](#)

**Authors:** ZHARSKY B.K., GOLUBJEV V.V., NOVSKY V.O.

**Source:** Tekhnichna Elektrodynamika 1: 25–31, 2008

**Title:** [Method of a reactive current meter construction for a fast-acting thyristor jack](#)

**Authors:** BILOKHA D.O.

**Source:** Tekhnichna Elektrodynamika 1: 31–35, 2008

**Subject Categories:** □ □ □ □ □ □ **Electromechanical energy conversion**

**Title:** [Dynamic braking of a single-sided linear machine with constant magnets](#)

**Authors:** ARKHIPOV A.V., KONDRATENKO I.P., RASCHEPKIN A.P.

**Source:** Tekhnichna Elektrodynamika 1: 36–41, 2008

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

**Title:** [Analysis of typical circuits of microprocessor devices connection in a station network by IEC 61850 standard](#)

**Authors:** STOGNIY B.S., SOPEL M.F., TUTIK V.L., PANOV A.V., USCHAPQVSKY K.V.

**Source:** Tekhnichna Elektrodynamika 1: 42–46, 2008

**Title:** [Research of an air current transformer operation in a short circuit mode](#)

**Authors:** RJABENKIY V.M., DJAKONOV A.S., GOLOBORODKO A.N.

**Source:** Tekhnichna Elektrodynamika 1: 46–49, 2008

**Title:** [Description of complex models for computation of an electric field of transformers with application of unified elements, relative and symbol coordinates](#)

**Authors:** BOGDANOVA O.V., IVANKOV V.F., SHAFIR Yu.N.

**Source:** Tekhnichna Elektrodynamika 1: 50–55, 2008

**Subject Categories:** □□□□□□ Information measuring systems in power engineering

**Title:** [A gyrator in SPICE-models of galvanomagnetic Hall generators](#)

**Authors:** TARANOV S.G., MAZMANJAN R.O.

**Source:** Tekhnichna Elektrodynamika 1: 56–63, 2008

**Title:** [Calculation of condensers capacity with coplanar electrodes](#)

**Authors:** LEVITSKY A.S., BALJASCHUK L.I.

**Source:** Tekhnichna Elektrodynamika 1: 64–70, 2008

**Subject Categories:** □□□□□□ Scientific and engineering information

**Title:** International scientific and engineering conference "Power electronics and effictaeay" (PEE'2007)

**Source:** Tekhnichna Elektrodynamika 1: 64–70, 2008

**Title:** 14-th International scientific and engineering conference "Problems of an automatic electric drive. Theory and practice"

**Source:** Tekhnichna Elektrodynamika 1: 64–70, 2008

**Title:** XIII International scientific school-seminar "Physics of pulse discharges in condensed media"

**Source:** Tekhnichna Elektrodynamika 1: 64–70, 2008

[Abstracts](#)

**Institute of Electrodynamics, 2008**