1009 □ 6	
1998, □ 6	
Contents	
Electrodynamics of electrical power devices	
BARABANOVA N.V., EMETS Ju.P. Problem solution about field forming	in conductor with a
boundary cylindrical switch on	3
<u> </u>	<u> </u>
RUDAKOV V.V. Dielectric failure mechanism in power capasitor units	10
SHACHTACHTINSKY T.I. Influence of electrodes field inhomogeneity of	n electric syrenth of a
solid dielectric dependingon its macrostructure	

20

Conversion of electric energy parameters	
MOSTOVJAK I.V., ZOSCHENKO A.V., MARTYNENKO M.A., SAMKOV A.V., DAI	N'KO A.V.
Parametrical synthesis of reactive elements for a tree-phase system state balancing	ng
with a non-stationary single-phase load18	
NAMESTNIK S.G. Physical model of a sequential RLC-circuit with a capacitance ((inductance)
circuit commutator_	

 ${\sf AKIMOV\;L.V.,\;DOLBNJA\;V.T.,\;KOLOTILO\;V.I.\;About\;disturbance\;servo\;system\;in\;subordinate}$

control systems (SCS) of velocity with EMF controller and a complete order state observer 23

PAVLOV V.B., SKIDANOV V.M., YURCHENKO O.N. Method of two-zone control by converters

Electromechanical energy conversion
MARCHENKO B.G., MYSLOVICH M.V. Power-generating units diagnostics theory on rotatable
nodes deviation and its practical application for Diesel-electric generators (part II)
VOLKOV A.V. Stationary mode analysis an asynchronous motor at autonomous inverter supply
with a pulse-width output voltage control42
KRYGER I. Reactive power problems of an induction motor power saving operationconditions48
FEDORENKO G.M., VYGOVSKY V.I., VYGOVSKY A.V. Coolant circulation influence on a thermal
state of a turbogenerator stator winding of 1000 mW power50

KAPUSTTN G.V., FINKEL'SHTEIN V.B. Space harmonics in an air gap of an asynchronous motor
at eccentricity presence56
PISKUNOV O.G., RAZAK A., SURGIKT.V. Instability of electromagnetic inverrupter with
fotobattery-operated58
Electrical power systems and installations
STOGNIY B.S., SOPEL M.F., PILIPENKO Yu.V. Sampling frequency value at a digital
measurement and electromechanical and electromagnetic transient processes monitoring
in electric power systems60
GONCHAR V.V., ZALIZETSKY A.M., KARPINSKY N.P., TREMBACH R.V. Electric characteristics

analysis of metallohalogen lamps in abnormal modes of operation64
YAKIMENKO Yu.I., BUTKO V.I., ZAVOROTNIY V.F., PASICHNIC L.O. Low-potential power
sources and methods of their utilisation
GNEDOI N.V., VOZNESENSKY V.V., SIMENKO L.P., SNYCHEVA I.I. Electric energy costs
prediction at a local source introduction at a mining factory
75
ROZKIN S.M. Power equipment and software of parameters monitoring system of working
medium flows of unitized container compressor stations78
INDEX of papers in a 1998
ABSTRACTS