1994 🛘 3
1994, 🛘 3
CONTENTS
Electrodynamics of electrical power devices
Vishtak P.A., Kondratenko I.P., Raschepkin A.P. Induction heating of ferromagnetic band in

Antonenko A.I. Electromagnetic field equations in a cylindrical aerial clearance of a magnetic
conductor accounting a rotating acceleration11
Denisjuk V.P. Modified multiparameter time and spectral windows16
Electric energy parameters conversion
BorisovB.P., Dmitriev D.V. Calculation of dynamic indices of electromagnetic compatibility by
electrical equipment reactions decomposition into inertia processes21
Fediy V.S., Sobolev V.N. Analysis of steady electromagnetic processes in a single-phase valve-
condenser sourse of a reactive power at arbitrary combinations of power scheme and

control parameters
Rudenko T.V., Shevchenko P.N., Yurchenko N.N., Todorenko V.A. Current distribution
in a parallel joint of power transistors at turning on 29
Grechko E.N., Kislov A.N., Atroschenko V.A. Synthesis of no-break power supply devices of
autonomous power supply systems
Gentkovsky Z. Modern power semiconductor devices
Electromechanical energy conversion
Afonin A.A. Problem of precision high-speed electromechanical systems
42

Kazansky V.M., Pashko vN.I. Development poten-tial of small electrical machine ferrofilled	nes with
winding structures49	
49	
Asanbaev V.N., Babjak A.A., Saratov V.A., Striharchuk D.K. Special features	s of working
conditions and possible directions of efficiency increase of power equipment util	lization of sugar
plants52	
Kuchinsky K.A., Fink A.F. Specific losses distribution in active zone of solid ro	tors of turbine
motors of 12500 kW at starting	56
Electric energy systems and installations	
Butkevich A.F., Levitsky V.G. Calculative processes of information forming ab	out disperse

matrices structure at mathematical modelling of electrical power systems 62	
Slesarev V. V. Problems of program complexes elaboration for power capacitive process	ses
control in mining industry6	67
Electrical and magnetic measurements	
Andrievsky E.A., Mazmanjan R.O., Paliy O.P. Magnetic induction meters for constant	
magnetic systems control	
Demin A.E., Kuznetsov A.V. Choice of measuring channel with optimum parameters fo	r
operation in multifunctional measuring system	