2	n	n	6	П	1
_	u		n	11	4

2006 p., □ 4
CONTENTS
Theoretical electrical engineering and electrophysics
ZVARICH V.N. Fields of autoregression as a model of vibration fields of power installations3
KUCHERJAVAJA I.N. Thermal computation of a power cable for 110 kV voltage considering
non-linear characteristics of polymer insulation7
Conversion of electric energy parameters

ZHARKIN A.F., PAZEEV A.G. Investigation of a harmonic composition of an input current curve
of an alternating voltage converter into a converter constant one with a power factor correction
BOIKO V.S., BOIKO V.V., POTJAZHENKO I.A. Mathematical model of a converting system
for emergency modes investigation17
FEDIY V.S., NAMESTNIK S.G. Control performances of a three-phase valve-reactor source
of reactive power (SRP)22
RUDENKO Yu.V. Subharmonic oscillations in a pulse step down stabilizer28
KHALIKOV VA., MOZHAROVSKYA.G. Computation of an adjusted power of double
transformer stabilizers of an alternating voltage of discrete action35

Electromechanical energy conversion
KRASNOSHAPKA N.D. An asynchronous motors start with constant slip at a control frequency
current source supply41
Electric power systems and installation
STOGNIY B.S., PAVLOVSKY V.V., SOPEL M.R, PANOV A.V. Standardization of telecommunication
solutions at construction of automatic-control systems of technological processes (ACSTP) at
power systems substations
45
Electrotechnological complexes and systems

SARATOVSKY R.N., USHAKOV V.I, BARANOV A.N, GLEBIN A.G. A control system
of a matching device of a thuristor frequency converter with an induction melting furnace
51
Information measuring systems in power engineering
BRAGINETS I.A, KONONENKO A.G, MASJURENKO Yu.A, NIZHENSKY A.D. High-accurate
time-interval counter of pulse signals lag for laser ranger systems59
VARSKY G.M. Current-voltage sample converters for circuits of metrological characteristics
determination of input current formers of static electricity meters63
To the 100-anniversary of corresponding member of NAS of Ukraine A.N .MILIAKH 69
To the I50-anniversary of N.TESLA

72