

# CONTENTS

VOLUME 49

NUMBER 7

2006

## RADIOELECTRONICS AND COMMUNICATIONS SYSTEMS

	PAGES	
	RUSSIAN	ENGLISH
Generalized mathematical model of a parametric meter of vector ratio of two microwave signals. Yu. B. Gimpilevitch and Yu. Ya. Smailov . . . . .	3	1
Expansion of nonstationary electromagnetic potentials into partial functions of electrodynamic system. A. V. Gritsunov . . . . .	10	6
High order statistics used in identification of non-Gaussian processes by means of linear prediction models. V. A. Tikhonov and K. V. Netrebenko . . . . .	21	13
Dynamic and statistical characteristics of chaotic sequences subjected to linear transformations. P. Yu. Kostenko, K. S. Vasyuta, V. I. Storozhev, and S. A. Oleinik . . . . .	32	21
Comparative analysis of different methods of signal frequency estimation. I. V. Kayukov and V. B. Manelis . . . . .	42	28
Possible applications of quasioptical open resonant metal-dielectric structures in EHF electronics. G. S. Vorob'yov, M. V. Petrovskii, and A. S. Krivets . . . . .	56	38
Transients in a communication channel with amplitude predistortion of signal. V. K. Marigodov and Yu. V. Matveyev. . . . .	62	42
High-order phasing filters in multipole transconductance amplifiers with the use of current-flow basis. T. Dostal and A. I. Rybin . . . . .	71	49
Extension of the N-OFDM method to the case of orthogonally polarized signals. V. I. Slyusar and A. A. Zinchenko . . . . .	75	52