

CONTENTS

VOLUME 47

NUMBER 1

2004

RADIOELECTRONICS AND COMMUNICATIONS SYSTEMS

	PAGES	
	RUSSIAN	ENGLISH
Generation of the indeterminacy function for signals discretely coded in frequency with prescribed properties. V. Ya. Plyokin and Nguen Thang Khyng	3	1
The method of induced magnetomotive forces for cavity-backed slot radiators and coupling slots. M. V. Nesterenko and V. A. Katritch.	12	8
An adaptive detector of multiple targets. F. M. Andreyev, R. E. Pashchenko, and I. V. Taranchenko.	20	14
Rarefaction of the natural oscillation spectrum of a surface wave resonator. G. A. Melkov, A. V. Prokopenko, and V. N. Raksha.	29	20
Extremal properties of selective signals at interpolation of their spectra by cubic splines. E. A. Sukachov and I. V. Strelkovskaya	32	23
The structure of solutions to the problem of synthesis of a linear microstrip antenna array with the use of energy criterion. P. A. Savenko and M. D. Tkatch	38	28
An amplifier with automatic stabilization of its gain factor. V. I. Vodotovka, V. Ya. Kishkan, and F. M. Repa	50	36
Detection characteristics in terms of energy for quasideterminate signals with the Reiss amplitude. V. I. Kostlyov	55	40
A mathematical model of electromagnetic wave scattering by an impedance circular cylinder. M. Yu. Zvezdina and S. N. Marchenko	61	45
Improvement of estimation accuracy of the central frequency of narrow-band process in FFT processor. V. I. Koshelev and V. N. Gorkin.	67	49
Theoretical and experimental estimation of angular resolving capacity of two-channel airborne antennas of ATM equipment. Ye. A. Stakhov	74	54