

# CONTENTS

VOLUME 49

NUMBER 9

2006

## RADIOELECTRONICS AND COMMUNICATIONS SYSTEMS

### *SPECIAL ISSUE*

### MILITARY RADIOELECTRONIC TECHNOLOGIES

	PAGES	
	RUSSIAN	ENGLISH
Effectiveness of Detection of Images with Unknown Location. A. P. Trifonov and S. A. Savin . . . . .	3	1
Imitative Simulation in Radio-Engineering Systems. N. T. Dekhtyaruk and Ye. N. Vidalko . . . . .	13	9
The new satellite radio-navigation system in Galileo project. Ye. T. Skorik . . . . .	23	16
A method for estimation of many-dimensional images with super-Rayleigh resolution in processing of echo signals at coherent sounding. A. A. Chizhov . . . . .	35	23
A method for generation of the full class of perfect binary arrays of the order $N = 2^k$ . V. Ya. Chechel'nitskii. . . . .	44	29
Fast orthogonal transforms based on perfect binary arrays. M. I. Mazurkov and M. Yu. Gerasimenko . . . . .	54	36
Analysis and synthesis of discriminators of shift of image's dynamic fragments in the spatial and spectral domain. Yu. S. Radchenko and Ye. V. Ovchinnikov . . . . .	61	42
Electromagnetic compatibility of systems with optimal pre-emphasis of signals. V. K. Marigodov and Yu. V. Matveyev. . . . .	69	48
Effect of microwave irradiation on radiative recombination of GaAs. V. V. Milenin, R. A. Red'ko, and S. N. Red'ko . . . . .	77	54