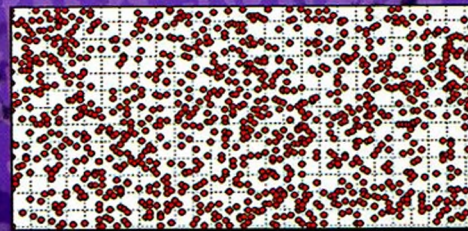
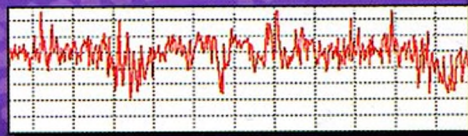
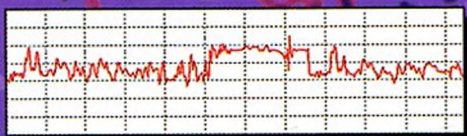


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Б. М. ШЕВЧУК

МЕТОДИ ТА АЛГОРИТМИ ПІДВИЩЕННЯ ІНФОРМАЦІЙНОЇ ЕФЕКТИВНОСТІ БЕЗПРОВІДНИХ МОНІТОРИНГОВИХ МЕРЕЖ



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The monograph proposes interrelated methods and algorithms for increasing the information efficiency of wireless monitoring networks. Ways of increasing the information and energy efficiency of monitoring radio networks, implementation of reliable, crypto-stable and noise-immune transmission of monitoring data packets are analyzed. Methods and algorithms for adaptive coding and express analysis of signals and frames of video data, algorithms for online compression and protection packets with high information capacity are proposed.

The monograph is intended for specialists, engineers as well as post for post graduate students and students of cybernetic specialties who develop highly intelligent means of processing, coding and transmission of information, wireless sensor, local-regional and satellite networks, means and networks of the «Internet of Things» and modern information technologies.

(10 18 2019)

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