

Contents Содержание

H. Nalbandyan Efficiency of Depth-Restricted Substitution Rules	5
M. Haroutunian and A. Muradyan Lower Bound of Rate-Reliability-Distortion Function for Generalized Channel With Side Information	11
R. Barseghyan and H. Sarukhanyan New Approach to FFT Algorithms	24
S. Darbinyan and I. Karapetyan A Note on Short Paths in Oriented Graphs	35
A. Muradyan On Computation of Lower Bound of E -Capacity for the Channel With Two-Sided State Information	41
R. Barseghyan Efficient Computation of Subset of Output Points of FFT	48
P. Petrosyan and A. Shashikyan On Interval Total Colorings of Doubly Convex Bipartite Graphs	54
T. Khotsanyan, V. Sahakyan and I. Safaryan Statistical Postprocessing of the Output from Numerical Weather Prediction System	59
H. Nurijsanyan On the Number of Irreducible Linearised Coverings for Subsets in Finite Fields	66
Y. Barseghyan Automated PAP Algorithm for Interferometric Phase Reconstruction	73
T. Khotsanyan Numerical Weather Prediction Environment for the Territory of Armenia	83
E. Haroutunian and P. Hakobyan Remarks about Reliable Identification of Probability Distributions of Two Independent Objects	91
E. Haroutunian and A. Yessayan On Reliability Approach to Multiple Hypotheses Testing and Identification of Probability Distributions of Two Stochastically Coupled Objects	95
N. Grigoryan Error Probability Exponents of Multiple Hypotheses Testing Illustrations	102
T. Tonoyan On the Problem of Wireless Scheduling With Liner Power Levels	111
M. Kyuregyan, O. Manukyan and E. Harutyunyan Linear Cryptanalysis of Block Ciphers in the Cluster Computational Environment	121
A. Alexanian, H. Aslanyan and A. Soghoyan Data Encryption, Authentication and Key Predistribution Schemes for Wireless Sensor Networks	127

S. Hovasapyan Studies of the Matrix Generator Statistical Features	135
M. Kyuregyan and O. Manukyan Construction of Explicit Irreducible Polynomials Over F_2 in Cluster Computational Environment	144
M. Khalili and D. Asatryan Effective Digital Image Watermarking in YCbCr Color Space Accompanied by Presenting a Novel Technique Using DWT	150
H. Aslanyan Approximation Algorithm for Wireless Network Interference Minimization	162
A. Ranjbar Estimate for the Arithmetical Cost of an Algebraic Multigrid Preconditioner	172
A. Khachatryan The Optimal Permissible Placement by the Height of the Transitive Oriented Tree Containing One Vertex of Branching	183
Z. Naghashyan and E. Pogossian Developing Java Software for Representation, Acquisition and Management of Strategy Knowledge	187
T. Sargsyan Developing Game Model for Migration Process of Static Timing Analysis Tools	196
A. Анонян и М. Геворкян Информационные особенности геохимии хрома в присеванском офиолитовом поясе Армении	201