Contents

Ag. Poghosyan, H. Sarukhanyan Image Caption Generation Model Based on Object Detector	5
Zh. Nikoghosyan A Sharp Improvement of a Theorem of Bauer and Schmeichel	15
E. Pogossian Constructing Adequate Mental Models	35
S. Manukian On Some Properties of Positive and Strongly Positive Arithmetical Sets	52
A. Mkhitaryan, A. Petrosyan, A. Nanassian Notification Mechanisms by Initiative of E-mail Receiver in Systems Based on E-mail/SMS Technologies	56
K. Mkhitaryan Community Detection-Based Recommendation Framework	61
S. Asryan Feedback Driven Grammar-Based Fuzzing	67
A. Mkhitaryan, A. Petrosyan, A. Nanassian Use of Info-Communicational Resources in Software Systems	76
D. Grigoryan On Church-Rosser Property of Notion of βδ-Reduction for Canonical Notion of δ-Reduction	81
L. Hovsepyan, A. Mayilyan Secure Storage Implementation for Large Files in iOS Environment	88
S. Grigoryan, N. Hakobyan Experimenting with Acquisition of and Matching to Systemic Classifiers	96
A. Vardanyan Improved Model of Scheduling Algorithm	104
A. Mayilyan, L. Hovsepyan Research and Comparative Analysis of Build Technology Programming in Java	107
T. Galstyan Performance Analysis of Matrix Multiplication Algorithms Using MPI and OpenMP	111