CONTENTS

1 Vasyluk A., Basyuk T.

Intellectual analysis of the replacement process for the algebra algorithm formulas

8 Karpov I., Burov E.

Use of ontological networks in decision support systems under ambiguity

16 Peleshchak R., Lytvyn V., Peleshchak I., Vysotska V.

Development of an artificial neural network with oscillatory neurons for recognition of spectral images

24 Kravets P., Yurynets R., Kis Y.

Patterns of self-organizing strategies in the game of mobile agents

35 Kunanets N., Matsiuk O., Pasichnyk V., Tabachyshyn D.

Procedures for assessing equal the "smartness" of a city

42 Pryshiak A., Kunanets N., Pasichnyk V.

Intellectual system of formation of personal educational trajectories in $\ensuremath{\mathsf{IT}}$

51 Kulchytskyy I.

Text normalization during pre-corpus preparation: experience of application

59 Burov Y., Mykich K., Veres O.

Situation awareness support system in the software testing process

70 Dubas Y., Kunanets N.

CApplication of the method of multidimensional average in formation of individual educational trajectories of students of it-specialties

78 TPliasun B., Kunanets N., Veretennikova N.

An information system for comparing partner employment schedules

87 Lytvyn V., Uhryn D.

Methods of swarm algorithms solution of applied tasks in geoinformation systems