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Computer systems of decision-making support in ill-structured dynamic situations, based on modeling of the expert knowledge presented by cognitive maps are considered. Methods and approaches of the basic functional subsystems realization of decision-making support systems of this class are analysed.

Keywords: cognitive map, «soft» system analysis, modeling system architecture, parameterization, verification, correction.

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Keywords: flow-shop problem, optimal schedule, the sequence of assignments, restrictions on the start and end time.

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Keywords: differentiation, adaptation, optimality, Gaussian noise.

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Keywords: enterprise information system, economical efficiency, simulation, limited rationality, control loop, adaptivity.

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Keywords: development control, holding company, investment analysis, investment projects, complex estimation, optimization-simulation approach.

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Keywords: correlation, adaptation, process, system analysis, management.

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Keywords: cause, consequence, causal relationship realization conditions, group of cause, group of consequence, complex of causal relationship, discrete process, interaction of processes.

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Keywords: computer training complexes, trainee instructor, increase of control efficiency by electrothermal process.

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Keywords: distributed process, program resource, homogeneous system, asynchronous mode, synchronous mode, structurization, parallelism.

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Keywords: optimum control of mobile object, ship model, differential nonlinear equation, management calculation, trajectory modeling, movement in the narrow channel.

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