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Keywords: semistructured situation, cognitive map, formalization, information validity, validity criteria, human factor, risk factor.

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Keywords: organization, system, socio-economic system, system structure, control, stochasticity, bayesian approach.

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Keywords: innovation projects, procedure for selection of innovation projects, assigned finance distribution algorithm for selection of innovation projects.



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Keywords: quality control, system concept, special-purpose materials.

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Results of modeling of the maneuverable high-speed aircraft are produced. These results have shown that the combination of rational energy approach to flight control and formal mathematical methods provide control quality practically identical in large flight envelope.

Keywords: flight control, energy approach, optimization, modal control.

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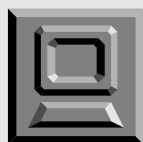
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The paper provides explicit formulae for the switching moments of piecewise constant control in the time-optimal problem for a linear second-order system with constant coefficients when the system matrix has complex eigenvalues.

Keywords: time-optimal problem, controllability set, piecewise constant control, moment of switch.

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