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Keywords: mathematical modeling, information exchange, control in social systems, nonlinear dynamic systems.

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Keywords: control, one-sector economy, production function, turnpike theorem, golden rule of saving.

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Keywords: active expertise, social choice, strategy-proof mechanism, generalized median voter scheme.

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Keywords: mathematical model, two-phase filtration, probability law of random quantity distribution, laminated layer, optimal regulation process.

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Keywords: reliability, software, Bayesian inference, probability distribution, non-homogeneous Poisson processes, maximum likelihood estimation, model.

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Keywords: digital systems, symmetric bipartite graph, component, diagnosis, tested subsystems.

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Keywords: queueing network, optimization, analytical-simulation modeling.

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Keywords: markovian object, predictive model control, parallel computations, multi-core microprocessor.

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