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Key Words:

Optimal Control, Problem of Moments, Singular Perturbations, Integral Manifolds, Separation Movements, Asymptotic Behavior, Quadratic Functional

Short Introduction to the Book

This book is mainly on the problem of optimal control of singularly perturbed systems and decomposition of variables. The problem of optimal control with respect to the economic processes to which the criterion of control is formulated using the Gram operator of the properties, as well as to deal with the evaluation of the standard deviation of the trajectory of motion of the system. The basic equations and formulas allows to obtain a decision applied to the method of moments, which enables unified computing optimal control of the search procedure and allows separation of variables.

Author's Short Biography



Zamirbek Imanaliev, Professor of the Department of Applied Mathematics and Informatics, Kyrgyz State Technical University after named I.Razzakov. He is engaged in problems of optimal control. He published scholarly works on the separation of variables of the optimal control problem. He mainly works on the theory of optimization and control, mathematical economics and linear programming.



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