SIAM Journal on Control and Optimization
Volume 60 Issue 5 pp. 2631-3190

Bisimulations of Probabilistic Boolean Networks
Rui Li, Qi Zhang, and Tianguang Chu
SIAM Journal on Control and Optimization 2022 60:5, 2631-2657

Ergodicity of Regime-Switching Functional Diffusions with Infinite Delay and Application to a Numerical Algorithm for Stochastic Optimization
Banban Shi, Ya Wang, and Fuke Wu
SIAM Journal on Control and Optimization 2022 60:5, 2658-2683

Controlled Lagrangians and Stabilization of Euler--Poincaré Mechanical Systems with Broken Symmetry I: Kinetic Shaping
César Contreras and Tomoki Ohsawa
SIAM Journal on Control and Optimization 2022 60:5, 2684-2711

Convergence of Optimal Investment Problems in the Vanishing Fixed Cost Limit
Erhan Bayraktar, Christoph Belak, Sören Christensen, and Frank T. Seifried
SIAM Journal on Control and Optimization 2022 60:5, 2712-2736

Second-Order Necessary Conditions for Optimal Control Problems with Endpoints-Constraints and Convex Control-Constraints
Li Deng
SIAM Journal on Control and Optimization 2022 60:5, 2737-2758

A Modified Method of Successive Approximations for Stochastic Recursive Optimal Control Problems
Shaolin Ji and Rundong Xu
SIAM Journal on Control and Optimization 2022 60:5, 2759-2786

Sharp Decay Estimates for Semigroups Associated with Some One-Dimensional Fluid-Structure Interactions Involving Degeneracy
Louis Tebou
SIAM Journal on Control and Optimization 2022 60:5, 2787-2810

Optimal Control of the Sweeping Process with a Nonsmooth Moving Set
Cristopher Hermosilla and Michele Palladino
SIAM Journal on Control and Optimization 2022 60:5, 2811-2834

Stability of Fractional SDEs with Markov Switching Perturbed by Transition Rate Matrices
Xiliang Fan and Zhenzhen Feng
SIAM Journal on Control and Optimization 2022 60:5, 2835-2858

Near Optimality of Stochastic Control for Singularly Perturbed McKean--Vlasov Systems
Yun Li, Fuke Wu, and Ji-feng Zhang
SIAM Journal on Control and Optimization 2022 60:5, 2859-2883

Stabilization of Stochastic McKean--Vlasov Equations with Feedback Control Based on Discrete-Time State Observation
Hao Wu, Junhao Hu, Shuaibin Gao, and Chenggui Yuan
SIAM Journal on Control and Optimization 2022 60:5, 2884-2901

An Algorithm to Construct Subsolutions of Convex Optimal Control Problems
Gianmarco Bet and Markus Fischer
SIAM Journal on Control and Optimization 2022 60:5, 2902-2926

State-Space Realizations of Periodic Convolutional Codes
E. Fornasini, D. Napp, R. Pereira, R. Pinto, and P. Rocha
SIAM Journal on Control and Optimization 2022 60:5, 2927-2946

Carleman Estimates of Refined Stochastic Beam Equations and Applications
Yongyi Yu and Ji-Feng Zhang
SIAM Journal on Control and Optimization 2022 60:5, 2947-2970

Nonconvex Integro-Differential Sweeping Process with Applications
Abderrahim Bouach, Tahar Haddad, and Lionel Thibault
SIAM Journal on Control and Optimization 2022 60:5, 2971-2995

Newton Method for Stochastic Control Problems
Emmanuel Gobet and Maxime Grangereau
SIAM Journal on Control and Optimization 2022 60:5, 2996-3025

Exponential Estimate of Positive Time-Delay Systems with Polytopic Uncertainties
Phan Thanh Nam, Tran Ngoc Nguyen, and Hieu Trinh
SIAM Journal on Control and Optimization 2022 60:5, 3026-3050

Measure Optimal Controls for Models Inspired by Biology
Giuseppe M. Coclite and Mauro Garavello
SIAM Journal on Control and Optimization 2022 60:5, 3051-3077

Remarks on the Control of Two-Phase Stefan Free-Boundary Problems
Raul K. C. Araújo, Enrique Fernández-Cara, Juan Límaco, and Diego A. Souza
SIAM Journal on Control and Optimization 2022 60:5, 3078-3099

Internal Controllability of Parabolic Systems with Star- and Tree-like Couplings
Cătălin-George Lefter and Elena-Alexandra Melnig
SIAM Journal on Control and Optimization 2022 60:5, 3100-3126

Multivariate Estimator for Linear Dynamical Systems with Additive Laplace Measurement and Process Noises
Nhattrieu C. Duong, Jason L. Speyer, and Moshe Idan
SIAM Journal on Control and Optimization 2022 60:5, 3127-3147

Distributed Adaptive Nonlinear Control with Fusion Least-Squares

Ying Wang, Wuquan Li, and Ji-Feng Zhang
SIAM Journal on Control and Optimization 2022 60:5, 3148-3172

A Maximum Principle Approach to a Deterministic Mean Field Game of Control with Absorption
Paulwin Graewe, Ulrich Horst, and Ronnie Sircar
SIAM Journal on Control and Optimization 2022 60:5, 3173-3190