

Control for a Class of Second-Order Systems via a State-Dependent Riccati Equation Approach
Li-Gang Lin, Yew-Wen Liang, and Li-Jen Cheng
SIAM Journal on Control and Optimization 2018 56:1, 1-18

Consensus Conditions of Continuous-Time Multi-Agent Systems with Additive and Multiplicative Measurement Noises
Xiaofeng Zong, Tao Li, and Ji-Feng Zhang
SIAM Journal on Control and Optimization 2018 56:1, 19-52

Optimal Inventory Control with Jump Diffusion and Nonlinear Dynamics in the Demand
Jingzhen Liu, Ka Fai Cedric Yiu, and Alain Bensoussan
SIAM Journal on Control and Optimization 2018 56:1, 53-74

Boundary Feedback Stabilization for an Unstable Time Fractional Reaction Diffusion Equation
Hua-Cheng Zhou and Bao-Zhu Guo
SIAM Journal on Control and Optimization 2018 56:1, 75-101

High Order Discrete Approximations to Mayer's Problems for Linear Systems
Alain Pietrus, Teresa Scarinci, and Vladimir Veliov
SIAM Journal on Control and Optimization 2018 56:1, 102-119

Linearized Stability of Partial Differential Equations with Application to Stabilization of the Kuramoto--Sivashinsky Equation
Rasha al Jamal and Kirsten Morris
SIAM Journal on Control and Optimization 2018 56:1, 120-147

Limitations of Robust Stability of a Linear Delayed Feedback Control
D. Dmitrishin, P. Hagelstein, A. Khamitova, and A. Stokolos
SIAM Journal on Control and Optimization 2018 56:1, 148-157

Stability and Robustness Analysis for Switched Systems with Time-Varying Delays
Frédéric Mazenc, Michael Malisoff, and Hitay Özbay
SIAM Journal on Control and Optimization 2018 56:1, 158-182

Switching in Time-Optimal Problem with Control in a Ball
Andrei A. Agrachev and Carolina Biolo
SIAM Journal on Control and Optimization 2018 56:1, 183-200

Symmetry Reduction, Contact Geometry, and Partial Feedback Linearization
J. De Doná, N. Tehseen, and P. J. Vassiliou
SIAM Journal on Control and Optimization 2018 56:1, 201-230

Stable Optimal Control and Semicontractive Dynamic Programming
Dimitri P. Bertsekas
SIAM Journal on Control and Optimization 2018 56:1, 231-252

Multiobjective $\mathcal{H}_2/\mathcal{H}_\infty$ Control Design Subject to Multiplicative Input Dependent Noises
Yu Feng, Xiang Chen, and Guoxiang Gu
SIAM Journal on Control and Optimization 2018 56:1, 253-271

An Augmented Lagrangian Method for Optimization Problems in Banach Spaces
Christian Kanzow, Daniel Steck, and Daniel Wachsmuth
SIAM Journal on Control and Optimization 2018 56:1, 272-291

Solvability of the Nonlinear Dirichlet Problem with Integro-differential Operators
Erhan Bayraktar and Qingshuo Song
SIAM Journal on Control and Optimization 2018 56:1, 292-315

Metrically Regular Differential Generalized Equations
R. Cibulka, A. Dontchev, M. I. Krastanov, and V. M. Veliov
SIAM Journal on Control and Optimization 2018 56:1, 316-342

Ordinary Differential Equation Methods for Markov Decision Processes and Application to
Kullback--Leibler Control Cost
Ana Bušić and Sean Meyn
SIAM Journal on Control and Optimization 2018 56:1, 343-366

Existence of a Mean-Square Stabilizing Solution to a Modified Algebraic Riccati Equation
Jianying Zheng and Li Qiu
SIAM Journal on Control and Optimization 2018 56:1, 367-387

Bisimulations of Boolean Control Networks
Rui Li, Tianguang Chu, and Xingyuan Wang
SIAM Journal on Control and Optimization 2018 56:1, 388-416

Martingale Optimal Transport with Stopping
Erhan Bayraktar, Alexander M. G. Cox, and Yavor Stoev
SIAM Journal on Control and Optimization 2018 56:1, 417-433

Mean-Field Type Modeling of Nonlocal Crowd Aversion in Pedestrian Crowd Dynamics
Alexander Aurell and Boualem Djehiche
SIAM Journal on Control and Optimization 2018 56:1, 434-455

KW Models for (Multivariate) Linear Differential Systems
Vakhtang Lomadze
SIAM Journal on Control and Optimization 2018 56:1, 456-472

Realizable Strategies in Continuous-Time Markov Decision Processes
Alexey Piunovskiy
SIAM Journal on Control and Optimization 2018 56:1, 473-495

The Regular Indefinite Linear Quadratic Optimal Control Problem: Stabilizable Case
Marijan Vukosavljev, Angela P. Schoellig, and Mireille E. Broucke
SIAM Journal on Control and Optimization 2018 56:1, 496-516

Prescribed-Performance Control Design for Pure-Feedback Nonlinear Systems with Most Severe
Uncertainties
Fengzhong Li and Yungang Liu
SIAM Journal on Control and Optimization 2018 56:1, 517-537

A Unified Approach for the H_∞ -Stability Analysis of Classical and Fractional Neutral
Systems with Commensurate Delays
Le Ha Vy Nguyen
SIAM Journal on Control and Optimization 2018 56:1, 538-555

Elasto-plastic Shape Optimization Using the Level Set Method
Aymeric Maury, Grégoire Allaire, and François Jouve
SIAM Journal on Control and Optimization 2018 56:1, 556-581