

**SIAM Journal on Control and Optimization**  
**2019, Volume 57, Issue 6, pp. 3603-4233**

---

**Boundary Stability of 1-D Nonlinear Inhomogeneous Hyperbolic Systems for the  $C^1$  Norm**  
Amaury Hayat  
SIAM Journal on Control and Optimization 2019 57:6, 3603-3638

---

**Properties of the Characteristic Function Generator of the Two-State Cauchy Estimator**  
Yu Bai, Jason L. Speyer, and Moshe Idan  
SIAM Journal on Control and Optimization 2019 57:6, 3639-3665

---

**Extended Mean Field Control Problems: Stochastic Maximum Principle and Transport Perspective**  
Beatrice Acciaio, Julio Backhoff-Veraguas, and René Carmona  
SIAM Journal on Control and Optimization 2019 57:6, 3666-3693

---

**Local and Global Analysis of Multiplier Methods for Constrained Optimization in Banach Spaces**  
Eike Börgens, Christian Kanzow, and Daniel Steck  
SIAM Journal on Control and Optimization 2019 57:6, 3694-3722

---

**Global Stabilization of a Class of Nonlinear Reaction-Diffusion Partial Differential Equations by Boundary Feedback**  
Iasson Karafyllis and Miroslav Krstic  
SIAM Journal on Control and Optimization 2019 57:6, 3723-3748

---

**An Iterative Rank Penalty Method for Nonconvex Quadratically Constrained Quadratic Programs**  
Chuangchuang Sun and Ran Dai  
SIAM Journal on Control and Optimization 2019 57:6, 3749-3766

---

**Constrained BSDEs Driven by a Non-Quasi-Left-Continuous Random Measure and Optimal Control of PDMPs on Bounded Domains**  
Elena Bandini  
SIAM Journal on Control and Optimization 2019 57:6, 3767-3798

---

**Controllability of Stochastic Game-Based Control Systems**  
Renren Zhang and Lei Guo  
SIAM Journal on Control and Optimization 2019 57:6, 3799-3826

---

**Stability and Robust Regulation of Passive Linear Systems**  
Lassi Paunonen  
SIAM Journal on Control and Optimization 2019 57:6, 3827-3856

---

**Risk-Sensitive Discounted Continuous-Time Markov Decision Processes with Unbounded Rates**  
Xianping Guo and Zhong-Wei Liao  
SIAM Journal on Control and Optimization 2019 57:6, 3857-3883

---

**Pareto Front Characterization for Multiobjective Optimal Control Problems Using Hamilton--Jacobi Approach**  
Anna Désilles and Hasnaa Zidani  
SIAM Journal on Control and Optimization 2019 57:6, 3884-3910

---

**The Existence and Uniqueness of Viscosity Solution to a Kind of Hamilton--Jacobi--Bellman Equation**  
Mingshang Hu, Shaolin Ji, and Xiaole Xue  
SIAM Journal on Control and Optimization 2019 57:6, 3911-3938

---

**On Exponential Stabilization of  $N$ -Level Quantum Angular Momentum Systems**  
Weichao Liang, Nina H. Amini, and Paolo Mason  
SIAM Journal on Control and Optimization 2019 57:6, 3939-3960

---

**On the Competitive Harvesting of Marine Resources**  
Alberto Bressan and Vasile Staicu  
SIAM Journal on Control and Optimization 2019 57:6, 3961-3984

---

---

**Carleman Estimates for Some Two-Dimensional Degenerate Parabolic PDEs and Applications**

F. D. Araruna, B. S. V. Araújo, and E. Fernández-Cara

SIAM Journal on Control and Optimization 2019 57:6, 3985-4010

---

**Fractional Linear Quadratic Regulators Using Wiener--Hopf Spectral Factorization**

Bonan Zhou and Jason L. Speyer

SIAM Journal on Control and Optimization 2019 57:6, 4011-4032

---

**Second-Order Sufficient Optimality Conditions for Optimal Control of Nonsmooth, Semilinear Parabolic Equations**

Livia M. Betz

SIAM Journal on Control and Optimization 2019 57:6, 4033-4062

---

**Local Stabilization of a Fluid--Structure System around a Stationary State with a Structure Given by a Finite Number of Parameters**

Guillaume Delay

SIAM Journal on Control and Optimization 2019 57:6, 4063-4098

---

**Nonzero-Sum Expected Average Discrete-Time Stochastic Games: The Case of Uncountable Spaces**

Qingda Wei and Xian Chen

SIAM Journal on Control and Optimization 2019 57:6, 4099-4124

---

**Second-Order Stochastic Target Problems with Generalized Market Impact**

Bruno Bouchard, Grégoire Loeper, Halil Mete Soner, and Chao Zhou

SIAM Journal on Control and Optimization 2019 57:6, 4125-4149

---

**Continuous-Time Robust Dynamic Programming**

Tao Bian and Zhong-Ping Jiang

SIAM Journal on Control and Optimization 2019 57:6, 4150-4174

---

**Border Avoidance: Necessary Regularity for Coefficients and Viscosity Approach**

Dan Goreac

SIAM Journal on Control and Optimization 2019 57:6, 4175-4204

---

**Inverse Optical Tomography through PDE Constrained Optimization  $L^{\infty}$** 

Nikos Katzourakis

SIAM Journal on Control and Optimization 2019 57:6, 4205-4233