

Global and Stochastic Analysis (GSA)

ISSN NO: 2248-9444

Table of Content

1. On Condensing Perturbations of Closed Linear Surjective Operators
Author: B.D. Gel'man and S.N. Kalabukhova 1-16
2. Stochastic Delay Equations and Inclusions with Mean Derivatives on Riemannian Manifolds. II
Author: Yuri E. Gliklikh and Salah E.A. Mohammed 17- 27
3. Heat Kernel Estimates on a Connected Sum of Two Copies of R^n Along a Surface of Revolution
Author: Alexander Grigor'yan and Satoshi Ishiwata 29-65
4. Using Lyapunov Functions in Proofs of Existence of Solutions to Stochastic Equations
Author: A.I. Kirillov 67-87
5. Petrov Invariants for 1-D Control Hamiltonian Systems
Author: Alexei G. Kushner and Valentin V. Lychagin 89-100

6. On Solvability of Stochastic Differential Inclusions with Current Velocities. II
Author: Alla V. Makarova 101- 112

7. Forward-Backward SDEs driven by Lévy Processes and Application to Option Pricing
Author: R.S. Pereira and E. Shamarova 113-132

8. Bifurcations of Critical Orbits of $SO(2)$ -invariant Fredholm Functionals at Critical Points with Double Resonances
Author: Yu. I. Saprnov and E.V. Derunova 133-148

9. On the Analyticity of Particle Trajectories in the Ideal Incompressible Fluid
Author: A. Shnirelman 149-157

10. The Cauchy Problem for the Second Order Semilinear Sobolev Type Equation
Author: Alyona A.Zamyshlyeva and Evgenij V.Bychkov 159-166