

COMMUNICATIONS ON STOCHASTIC ANALYSIS

Vol. 4

No. 3

September 2010

Contents

Covariance Identities and Mixing of Random Transformations on the Wiener Space	<i>Nicolas Privault</i>	299-309
Zeons, Lattices of Partitions, and Free Probability	<i>René Schott and G. Stacey Staples</i>	311-334
Sample Properties of Random Fields III: Differentiability	<i>Jürgen Potthoff</i>	335-353
A Finite Element Method For Martingale-driven Stochastic Partial Differential Equations	<i>Andrea Barth</i>	355-375
Upper Bounds on Rubinstein Distances on Configuration Spaces and Applications	<i>Laurent Decreusefond Aldéric Joulin & Nicolas Savy</i>	377-399
The Itô Integral for a Certain Class of Lévy Processes and its Application to Stochastic Partial Differential Equations	<i>Erika Hausenblas</i>	401-424
Solutions of Semilinear Wave Equation Via Stochastic Cascades	<i>Yuri Bakhtin & Carl Mueller</i>	425-431
Sufficient Conditions of Optimality for Backward Stochastic Evolution Equations	<i>Abdulrahman Al-Hussein</i>	433-442
Convergence of Particle Filtering Method for Nonlinear Estimation of Vortex Dynamics	<i>Sivaguru S. Sritharan & Meng Xu</i>	443-465
Surface Measures on the Dual Space of the Schwartz Space	<i>S. Chaari, F. Cipriano H-H. Kuo & H. Ouerdiane</i>	467-480