

Seminário de sistemas dinâmicos e estocásticos

Departamento de Matemática - IMECC - UNICAMP

Uniqueness of solutions for the stochastic continuity equation with irregular coefficients

David Alexander Chipana Mollinedo
UTFPR-Universidade Tecnológica Federal do Paraná

Resumo:

We study in the existence and uniqueness of solutions of stochastic continuity equations with irregular coefficients. We present the uniqueness result for unbounded measurable drift without any condition on the divergence. Moreover, we shall study the existence and uniqueness for the class of H^1 -solutions in the case the drift term satisfies Ladyzhenskaya-Prodi-Serrin condition.

Data: Sexta-feira, 19 de agosto de 2016, 14hs.

Local: Sala 321 do IMECC.

Consulte a programação em [www.ime.unicamp.br/ssde]