shipout/backgroundshipout/foreground

Seminário de sistemas dinâmicos e estocásticos

IMECC - UNICAMP

Título: Euler-Lagrangian approach to stochastic Euler equations in Sobolev Spaces.

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Resumo:

The purpose of this work is to establish the equivalence between Lagrangian and classical formulations for the stochastic incompressible Euler equations, the proof is based on Ito-Wentzell-Kunita formula and stochastic analysis techniques. Moreover, we prove a local existence result for the Lagrangian formulation in suitable Sobolev Spaces.