

Universidade Estadual de Campinas

Workshop in Stochastic Analysis and Applications

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Homogenization from Stochastic Deformations.

Abstract

We study in this talk the homogenization of the Liouville and Schrodinger equations. We are interested to model displacement of particles in non-cristaline materials, which can be represent from Stochastic Deformations. We also address the interesting question, which is related to semi-classical theory, and the probabilistic space structure required for the homogenization of the cited equations.