



Grupo de Física Matemática
da Universidade de Lisboa

SEMINÁRIO DE FÍSICA-MATEMÁTICA

Dia 17 de Dezembro de 2008 (quarta-feira), às 14h30m, na Sala B1-01

“Evolution equation related to the Gross Laplacian”

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Abstract

In this talk we study a Cauchy problem associated to Δ_K^* , the adjoint of Δ_K which is related to the Gross Laplacian for certain choice of the operator K . We show that the solution is a well defined generalized function in an appropriate space. Finally, using infinite dimensional stochastic calculus we give a probabilistic representation of the solution in terms of K -Wiener process W .

Local:

COMPLEXO INTERDISCIPLINAR

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