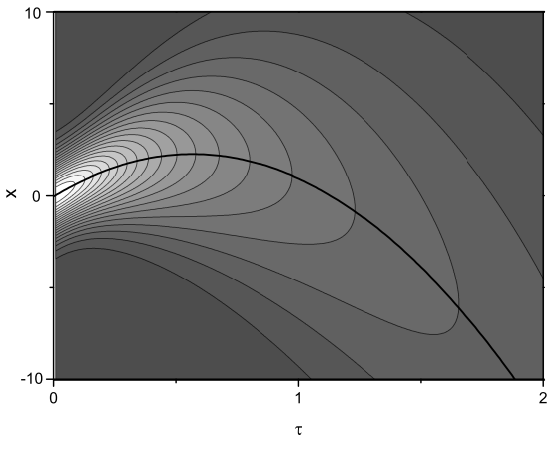
Colóquio Interinstitucional

Modelos Estocásticos e Aplicações

Quarta-feira, 2 de outubro de 2013

Programa



14:00 - 15:20 – **Jean Pierre Gazeau (Univ. Paris Diderot)**

Integral quantization: Weyl-Heisenberg versus affine group

After a few remarks about what we mean by quantization, I will explain the powerful role that operator-valued measure can play in quantizing any set equipped with a measure, for instance a group equipped with its (left) Haar measure. Integral quantizations based on the Weyl-Heisenberg group and on the affine group are compared. I will insist on the probabilistic aspects of such a procedure. An interesting application in quantum cosmology will be presented.

15:40 - 17:00 – **Yuri Suhov (Univ. of Cambridge / USP)**

Stochastic Aspects of Quantum Theory

I plan to discuss examples of stochastic phenomena within a framework of Quantum Mechanics. These will include the uncertainty principle, teleportation and — time permits — localization.
The talk will not assume preliminary knowledge of Quantum Mechanics or Probability Theory.

17:00 – Discussão e lanche

Local

7o andar, pós-graduação, IME/UFF
Rua Mário Santos Braga S/N
Valonguinho, Niterói, Brasil

Apoio: FAPERJ

Realização: CBPF, impa, UFF

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