

UNICAMP – IMECC
Departamento de Matemática

Seminário de Sistemas Dinâmicos e Estocásticos

Expositor: J. Lamb (Imperial College)

Título: On Knudsen's law for a random billiard

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Local: Sala 321 do IMECC

Resumo. We prove Knudsen's law for particles bouncing freely in a two-dimensional pipe with serrated walls consisting of irrational triangles, with random fluctuations. The corresponding random map is studied using a skew-type deterministic representation which is shown to be ergodic and exact. This is joint work with Joan-Aureu Lazaro-Cami and Kamaludin Dingle.

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