**COLÓQUIO DA INDEPENDÊNCIA DO BRASIL**

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**Riemannian and Finslerian Markov Diffusions: The Role of Curvature. Applications in Ecology**

Abstract. Scalar curvature appears in the Feynman-Kac solutions to forward Cauchy initial value problems and in sojourn time estimates for Finslerian diffusions. This is because of the Finsleriandiffusion embedding theorem which shows that these are Riemannian Diffusions (with drift) on the Sasaki lift metric on the slit tangent bundle. An example from forest ecology is presented.

06 de setembro de 2017 (quarta-feira) às 15:00 horas

Sala 209 - Departamento de Matemática - CCEN