

II Joint Conference of the Belgian, Royal Spanish and Luxembourg Mathematical Societies
Logroño, June 6–8, 2016

Brownian motion, Ricci curvature and entropy

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We discuss notions of stochastic differential geometry in the framework of static manifolds and manifolds evolving along a geometric flow. In this context we deal with Brownian motions, basic functional inequalities, and entropy formulas for positive solutions of heat equations.

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