



Hamilton Institute

Dark Energy, Vacuum Fluctuations, and Microscopic Irreversibility

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Abstract:

Modern ergodic theory of dynamical and semi-dynamical systems, combined with newer concepts from irreversible thermodynamics, have given new and surprising insights into the possible origins of irreversible behaviour. In this talk I will outline these in detail. I further hypothesize that one of the conclusions reached may be related to a possible connection between vacuum fluctuations (zero point energy) and the recently discovered dark energy driving the accelerated expansion of the universe.

Venue: Seminar Room, Hamilton Institute, Rye Hall, NUI Maynooth

Time: 2.00 - 3.00pm (followed by tea/coffee)

Travel directions are available at www.hamilton.ie

