



GEOMETRY, TOPOLOGY, AND PHYSICS SEMINAR

An Introduction to F(uzz) Theory

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Room 6635 South Hall

Abstract: I will give an overview of the recent paper “Evidence for F(uzz) Theory” (<http://arxiv.org/abs/1005.3033>) by Heckman and Verlinde, which argues that F-theory in the decoupling limit $M_{Pl} \rightarrow \infty$ is described by a Fuzz-theory. The theory of 7-branes wrapping non-commutative four-cycles is developed and phenomenological implications of this setup are analyzed.