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Spectral triple based Noncommutative Gauge Field Theories on AF-algebras

Friday 30 September 2022 13:10 (25 minutes)

In the continuity of the presentation made by Thierry Masson, in which the general framework was introduced to define Noncommutative Gauge Field Theories (NCGFT) on top of the sequence of an AF algebra, I will present the part of our work that focuses on the study of these NCGFTs using spectral triples. In particular, I will insist on the “compatibility” relations on the defining structure of (real, odd) spectral triples, and their impacts on the relations between Lagrangians.

Presenter: NIEUVIARTS, Gaston

Session Classification: 30-morning