

Abstract submitted for Australian Mathematical Society 51st Meeting

Title: Reconstruction of Manifolds in Noncommutative Geometry

Author(s): Adam Rennie, Joe Varilly

Session: Noncommutative Geometry and Operator Theory

The reconstruction theorem gives a characterisation of compact spin^c manifolds in terms of spectral triples. I will give an accessible survey of precisely what the reconstruction theorem says and what it means. If time permits I will say something about more recent developments.