

Noncommutative Geometry and CFTs

Hollis Williams

Abstract

We give the abstract definition for QFTs and CFTs and then outline the applications of spectral triples (data sets which encode noncommutative geometries) in theoretical physics and field theory. We discuss an interesting connection between spectral triples and two-dimensional superconformal field theories which is relevant for string theory.

Time: 12 p.m, 6th October 2021

Location: B3.02

Organisers: Lucas Lavoyer de Miranda (lucas.lavoyer-de-miranda@warwick.ac.uk), Sunny Sood (s.sood.1@warwick.ac.uk)

Website: <https://warwick.ac.uk/fac/sci/math/research/events/seminars/areas/postgraduate/21-22>