

On $\mathbb{Z}/2$ harmonic spinors and forms in dimension three

Andriy Haydys

(ULB)

Dec 21, 2022

16:00-17:00h on campus in M.G.004

Analysis & Geometry Seminar, Antwerpen

A $\mathbb{Z}/2$ harmonic spinor (form) is a generalization of the classical notion of harmonic spinor (form), where one allows twisting by a real line bundle, which is defined away from a codimension 2 subset. In this talk, I will discuss the role of $\mathbb{Z}/2$ harmonic spinors and forms in geometry and analysis, describe some new examples, and give a glimpse into their infinitesimal deformation theory.