SEMINAR

on

COMPLEX AND HYPERCOMPLEX ANALYSIS

Online, Departamento de Matemática

25/01/2021, 14:00

Strange quantum phenomena on almost-Riemannian manifolds

Ivan Beschastnyi
Universidade de Aveiro

Almost-Riemannian manifolds are singular generalisations of Riemannian manifolds. In dimension two they admit smooth geodesics which can cross the singular set without losing regularity and give rise to a well-defined metric space. In this talk I will discuss some properties of the associated Laplace-Beltrami operator and its surprising (compared to Riemannian manifolds) properties, some already known in the literature and some obtained in a joint work with U. Boscain and E. Pozzoli.

Zoom Link:
https://videoconf-colibri.zoom.us/j/84316713249?pwd=Y09OWDBSVW1NNTFPbDd5MXJoTzNJZz09

Meeting ID: 843 1671 3249

Password: 132742

CIDMA] CENTRO DE I&D EM MATEMÁTICA E APLICAÇÕES
CENTER FOR R&D IN MATHEMATICS AND APPLICATIONS

REPÚBLICA PORTUGUESA

FCT Fundação para a Ciência e a Tecnologia