Einladung zum
Würzburger Mathematischen Kolloquium
Julius-Maximilians-Universität Würzburg • Fakultät für Mathematik und Informatik

Vicente Cortés
Universität Hamburg

Differential Geometry inspired by Supersymmetry

Mittwoch, 8. Mai 2019 • 16:15 Uhr
Raum SE 40, Mathematik Ost, Emil-Fischer-Str. 40, Campus Hubland-Nord

Inhaltsangabe:
Marcel Berger’s classification of irreducible holonomy groups (1955) is one of the milestones in Riemannian geometry. It has immediately raised a number of challenging problems in differential geometry, some of which have received spectacular solutions much later. These developments have exerted a considerable impact on theoretical high energy physics in the context of supergravity and string theory. I will explain from my personal perspective how ideas from these areas of physics can in turn inspire differential geometry.