Universidade Federal de São Carlos
Departamento de Matemática

Seminário de Geometria Diferencial

(UFSCar-USP-UNICAMP)

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Falará sobre

Weakly Einstein Manifolds

Einstein metrics are a main field of study in Riemannian geometry. They appear as critical points of Hilbert functional, characterized by Ricci tensor, the simplest to study. This tensor has much interest in Physics as it comes up in relativity theories. It is known that a metric is Einstein if, and only if, the Ricci tensor is a multiple of the metric. These metrics fill a lot of pages in literature, both books and papers. Because of that, in this talk we will research what happens when the weakly Einstein tensor, the second easiest to study, is a multiple of the metric. We will explain how it appears and we will give easy natural examples to later classify them in a specific field.

Data: 29 de maio de 2019
Horário: 16h
Local: Auditório do DM