



Centro de Ciências Exatas
Programa de Pós-
Graduação em
Astrofísica, Cosmologia e
Gravitação



CONFERÊNCIA

The Geometry of Black Holes

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Resumo:

After a review of the concepts of dimension, coordinate domain, metric tensor and flat and curved spaces (illustrated with simple examples in two dimensions), we analyze the first exact solution of General Relativity. This was found by Schwarzschild in 1915 but fully understood only in the 60's, and models the geometrically simplest black hole. Then we will exhibit some peculiar properties of charged and rotating black holes that can be inferred from their spacetime diagrams.

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Horário: 11 horas

Local: Auditório do PPGFis