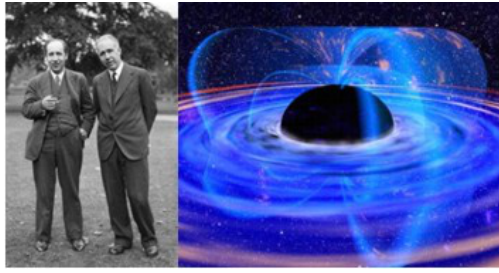


Mathematical Aspects of General Relativity



Contribution ID: 7

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Rigidly Rotating Bodies in General Relativity

Thursday 17 April 2008 11:00 (1 hour)

The only rigorous result known so far on the existence of isolated bodies in GR in rigid rotation are the ones by Heilig of 1995 on perfect fluids. We outline a method to solve the stationary Einstein equations with source a body in rigid rotation consisting of elastic matter. This is work in progress by R.B., B.G.Schmidt, and L.Andersson.

Presenter: BEIG, Robert (Vienna)