

Theory: To Kerr or not to Kerr?

Tuesday, September 5, 2023 4:15 PM (15 minutes)

This talk is devoted to an examination of the Newman-Janis algorithm's application to an exact regular static black hole' solution. We observe that the rotating extension obtained with the NJA cannot be described in terms of the same scalar field energy-momentum tensor, with deviations that are somehow 'confined' to a small region. It raises an interesting question about what to trust about candidates rotating regular black hole models.

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Session Classification: Parallel Sessions