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Astrophysical Black Holes in String Theory?

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String theory has by now achieved a very detailed quantum description of some black holes. However, the methods have mostly been applied in settings that have very little resemblance to the real world. Fortunately many aspects of the string theory description apply to all near extremal black holes, including near-extreme Kerr black holes (rapidly spinning black holes that are common in astrophysics). The talk reviews Kerr/CFT, the theory proposed specifically for these objects.