

Charged rotating BTZ geometry

We review the topological (2+1) black hole solution proposed by Bañados, Teitelboim and Zanelli (BTZ) for the rotating and charged case, emphasizing the wormhole solution of the above BTZ configuration. Recent work in holography and entanglement related with implementations of quantum teleportation protocols in the ER=EPR context and in more general cases showed that a further study of the BTZ geometry and the associated wormhole solutions are necessary.

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Authors: RIVERA, Cristian; VARGAS, Teofilo (U)

Presenter: RIVERA, Cristian

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