The Time Machine Factory [unspeakable, speakable] on Time Travel



Contribution ID: 20 Type: talk

Probing regular black hole spacetimes with scalar fields

Tuesday, 8 October 2019 11:40 (20 minutes)

We study the properties of regular black holes using both test and gravitating scalar fields. The main motivation being to discover features that distinguish them from real black holes. One such characteristic is regularity of horizon which is spoilt by scalar field in spherically symmetric static cases.

Primary author: Dr TAHAMTAN, Tayebeh

Presenter: Dr TAHAMTAN, Tayebeh

Session Classification: Causality preservation and Chronology violation, CTCs