

Stability of Supermassive Stars

Satya Butler, 2019

Throughout the summer, I worked with Alicia Lima (2019) and Professor Thomas Baumgarte (William R. Kenan Professor of Physics) on a project investigating the stability of supermassive stars. Supermassive stars are hypothesized to form in the centers of galaxies and are thought to be the progenitors of black holes. The stability of these stars is a topic of ongoing research, and this project aims to explore the conditions under which they can exist for extended periods of time.