

Contributed Talk

Name: João Oliveira

Position: Post-Doc/Research Fellow

Affiliation: Instituto Superior Técnico

Title: Virial Identities and the Gibbons-Hawking-York term

Abstract: We present a brief review of Virial identities and discuss the role that the Gibbons-Hawking-York (GHY) term plays when calculating the identities for asymptotically flat spacetimes. The inclusion of the surface GHY term in the calculation might allow a more general approach to the calculation of the Virial identity, one that might be independent of the metric ansatz. We present examples for the spherical case and briefly discuss implications for the stationary and axisymmetric case.