

Contributed Talk

Name: István Rácz

Position: Staff

Affiliation: Wigner RCP

Title: On the nature of spacetime singularities

Abstract: The seminal singularity theorems of Penrose and Hawking prove, under very generic and plausible conditions, the existence of inextendible causal geodesics. In contrast, it is also widely expected that some physical quantities should not remain bounded while approaching these singularities. I will discuss how results on spacetime extensions could provide vital insights concerning the generic properties of spacetime singularities.