

Aspects of vanishing energy flux boundary conditions: spectrum bifurcation, superradiant instabilities and clouds

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Place 1131, Building 9 (Zoom ID: 881 5903 1592)

Speaker

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Abstract

Boundary conditions play a vital role on the study of interaction between black holes and fundamental fields. In this seminar, I will first introduce a new type of boundary conditions we proposed recently, which we dubbed as the vanishing energy flux boundary condition, and then demonstrate various possible applications and in particular, present novel dynamical features.

Biography

Dr. Mengjie Wang obtained his PhD supported by a joint PhD program from University of Aveiro/University of Minho/University of Porto, Portugal. After a short postdoc transition at Aveiro University, he came back to China and joined the Hunan Normal University. Currently he is an associate professor at Hunan Normal University.