

数学与系统科学研究院
计算数学所网络学术报告

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报告题目:

黑洞有效势、准正模与回声 (I)

邀请人: 胡星标 研究员

报告时间: 2021 年 11 月 30 日 (周二)

晚上 19:00-19:45

报告工具: 腾讯会议 (ID: 437 145 810)

Abstract:

In this series of two talks, we will discuss the effects of Quasi-normal-modes of black holes perturbation with external source. The numerical and analytic results show that the QNM are determined by the poles of the green-function under appropriate condition, and the new modes could appear due to the non-linear interaction. We have also investigated the relation between the QNM and the piecewise function approximation to the effective potential of BH. The numeric and analytic results show that the discontinuity will lead drastically the difference of QNM, which will could be important for numerical calculation with some approximations.

欢迎大家参加！