

國立中正大學數學系
暨應用數學碩士班、統計科學碩士班
學 術 演 講

The behavior of sonic and thermal critical points in hydrodynamical escape problems

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Abstract

The atmosphere of the earth is significant for the life and the evolution of its structure is also to be too complicated to understand.

The hydrodynamical escape problem (HEP) involved effects of gravity, heat and conduction has been used to study the formation mechanism for atmospheres of planets. There two bifurcation points, the sonic point and thermal critical points, are revealed in the HEP. In this talk, we want to explore the behavior of these two critical points from theoretical and numerical approaches.

日 期:115 年 10 月 7 日(星期三) 16:10~17:00

地 點:本校數學館 527 教室(嘉義縣民雄鄉大學路 168 號)

茶 會: 15:30~16:00 數學館四樓 409 室舉行

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