

國立交通大學應用數學系

學術演講公告

主講人：洪盟凱教授(中央大學 數學系)

講 題：Hydrodynamic Escape Phenomenon in Planetary Atmospheres

時 間：106 年 4 月 25 日(星期二) 下午 2:00 –3:00

地 點：(光復校區) 科學一館 223 室

茶 會：當天下午 1:30 (科學一館 205 室)

Abstract

In this talk, we study the hydrodynamic escape problem (HEP in short) which is one of the most important topics in astrophysics.

The global existence of steady (wind solutions) and time-evolutionary solutions are obtained by the geometric singular perturbations and generalized Glimm method. The contents of this talk are the following:

1. The hydrodynamic escape model.
2. Transonic stationary solutions.
3. Global transonic solution for time evolution system without conduction.
4. Global transonic solution for initial-boundary value problem for HEP.
5. The hydrodynamic escape region.

敬請公告 歡迎參加

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