

國立陽明交通大學應用數學系

學術演講公告

主講人：林明楷副研究員（中研院天文所）

講題：Hopes and challenges in modern planet formation

時間：111 年 11 月 29 日(星期二) 下午 2:00 –3:00

地點：(光復校區) 科學一館 223 室

Abstract

With the discovery of over 5000 extra-solar planets to date, the formation and evolution of planets and planetary systems is one of the most rapidly developing fields of astrophysics. In the standard ‘bottom-up’ scenario, planets form from planetesimals — km or larger-sized bodies. Planetesimals form from small, mm-cm size pebbles, which themselves form from micro-sized dust grains immersed in gaseous protoplanetary disks around young stars. Studying these systems involve solving the equations of astrophysical fluid dynamics coupled with solids. I will describe several obstacles, but also new possibilities, on the road from dust to planets from recent theoretical modeling of planetesimal formation in modern models of protoplanetary disks.

敬請公告 歡迎參加

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