

國立中山大學應用數學系

學術演講

講者：蘇瑋栢 博士 (University of Warwick)

講題：Mean curvature flow of Lagrangian submanifolds

時間：2023/02/21 (Tuesday) 16:10 ~ 17:00

地點：理 SC 4009-1 教室

茶會：17:00 ~ 18:00

Abstract

Geometric flows provide a powerful way to deform geometric objects and reveal fundamental structures in their corresponding categories. While Hamilton's Ricci flow is well-known for its use in Perelman's proof of the Poincaré conjecture, the Lagrangian mean curvature flow is a promising tool for understanding the existence of volume-minimizing Lagrangian submanifolds. These submanifolds play a central role in the geometric realization of 'Mirror Symmetry', a deep connection between Complex Geometry and Symplectic Geometry of Calabi-Yau manifolds.

In this talk, I will present an overview of my research on the Lagrangian mean curvature flow. Specifically, I will discuss my work on understanding the long-time existence and singularity models of the flow. This will include the variational stability of soliton solutions, the well-posedness and long-time existence of non-compact situations, and the construction of new examples of translating solitons. Additionally, I will explore future research directions in this exciting field.

敬請公告！歡迎參加！

應用數學系：<http://math.nsysu.edu.tw>

校園地圖：http://math.nsysu.edu.tw/var/file/183/1183/img/779/nsysu_math_map.jpg

交通資訊：<https://www.nsysu.edu.tw/p/412-1000-4132.php?Lang=zh-tw>



用數學系



校園地圖



交通資訊