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# Student Geometry Seminar

國立清華大學數學系 學生幾何研討會

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**講題** Flat or Not? Rigidity of Graphical Translating Solitons in Mean Curvature Flow

**講者** 黃垣熊 博士 (NCTS)

**時間** 2025.03.18 (Tue) 16:45 – 18:15

**地點** 綜三 631

## Abstract

Translating solitons play a fundamental role in mean curvature flow (MCF) as models for singularity formation. In this talk, we explore rigidity results for graphical translators. In joint work with Pyo and Ma, we show that any entire mean convex graphical translator must be a plane. Similar rigidity holds for translators with small entropy or controlled growth. This talk provides an accessible introduction to these results and their implications in geometric analysis.

