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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** Hull--Strominger Systems and Geometric Flows

**講者** Dr. Caleb Suan (Chinese University of Hong Kong)

**時間** 2026.05.19 (Tue) 11:00 – 12:30

**地點** 綜三 631

## Abstract

The Hull--Strominger system is a system of partial differential equations stemming from heterotic string theory in physics. Mathematically, these equations lead us to consider special structures with torsion and have been proposed as a natural generalization of the Ricci-flat condition to non-Kähler Calabi--Yau threefolds. In this talk, we discuss a geometric flow approach to the system, known as the anomaly flow. We shall also look at 7-dimensional analogues of the system and flow.

