

# 大阪大学ミラー対称性セミナー

日時：2025 年 11 月 5 日(水) 15:30 – 17:00

場所：大阪大学理学部 E404 号室（対面のみ）

**講演者:** Dongjian Wu（大阪大学）

**タイトル:** Bridgeland Stability Conditions on Projective Threefolds

**アブストラクト:**

The theory of stability conditions on a triangulated category, introduced by Bridgeland, was inspired by slope stability of vector bundles on curves and  $\Pi$ -stability of D-branes in string theory. It has since played a pivotal role in various mathematical fields, including mirror symmetry. Nevertheless, proving the existence of such stability conditions on projective varieties remains a significant challenge. In this talk, I will present constructions of stability conditions on projective varieties of low dimensions. This talk is based on arXiv:2408.00519.

**世話人:** 高橋 篤史, 三浦 真人, 松本 圭峰（全て大阪大学）