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數學系

數學科學研究所

香港中文大學

Joint Geometric Analysis Seminar

(Part of MIST program)

Non-Kähler Calabi-Yau conifold transitions

Prof. Picard Sebastien
University of British Columbia

Abstract

A conifold transition is a process which connects two Calabi-Yau threefolds with different Hodge numbers. Such a transition may connect a Kähler Calabi-Yau threefold to a non-Kähler threefold. We will discuss solving the Yang-Mills equation on the tangent bundle through conifold transitions. This is joint work with T. Collins and S.-T. Yau.

Date: 22 October 2021 (Friday)

Time: 9:00am – 10:00am (Hong Kong time)

ZOOM link: <https://cuhk.zoom.us/j/91805734715>*All are Welcome*