

國立中山大學應用數學系

學術演講

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講題：Degeneration of projective spaces $\mathbb{P}^2$ and $\mathbb{P}^3$

時間：2026/10/15（Thursday）14:10 ~ 15:00

地點：理 SC4009-1 教室

茶會：13:30

Abstract

Given a one-dimensional family of varieties with general fiber X , the special fiber is called a degeneration of X . It is interesting to study various possible degenerations of important varieties. In dimension two, a well-known degeneration of $\mathbb{P}^2$ is given by weighted projective space $\mathbb{P}(a^2, b^2, c^2)$ so that $a^2 + b^2 + c^2 = 3abc$.

The purpose of this talk is to introduce our recent work (with Yongnam Lee) on degeneration of $\mathbb{P}^3$. We are going to demonstrate some examples, explain some numerical and geometric constraints. If time permits, we will also discuss degeneration of Fano threefolds.

敬請公告！歡迎參加！

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