

# 淡江大學數學系演講公告

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題 目：Rational points on curves

日 期：113年5月21日 (星期二)

時 間：下午 14:10 開始

地 點：科學館 S433

## 摘要 Abstract:

A fundamental problem in number theory is to understand the set of rational solutions to (a system of) polynomial equations with integer coefficients. One approach is to study the space consisting of the complex number solutions to these polynomial equations. This space is considered as an algebraic curve whenever it has one dimension.

In this talk, we would explore some basic properties of algebraic curves and explain some relationships among their geometric and algebraic properties with the number of rational points. Some concrete examples would be discussed further.

備 註：本業務與聯合國永續發展目標 SDG4 優質教育連結

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