

國立中央大學數學系

專題演講

主講人：Trevor Hyde 助理教授 (Mathematics and Statistics,
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演講題目：Profinite Iterated Monodromy Groups of Unicritical
Polynomials

演講茶會：2026年05月21日(星期四) 15:30~16:00

茶會地點：中央大學鴻經館 M306

演講時間：2026年05月21日(星期四) 16:00~17:00

演講地點：中央大學鴻經館 M107

Abstract :

Let f be a polynomial with coefficients in a field K and let t be a variable. The Galois group of the extension of $K(t)$ formed by adjoining all iterated f pre-images of t is called the arithmetic profinite iterated monodromy group (pIMG) of f . I'll discuss some recent joint work with Ophelia Adams on the structure of the pIMG of when f is a unicritical polynomial with degree coprime to $\text{char}(K)$.