國立清華大學數學系學術演講
NTHU MATH Colloquium

講題　Some classical applications of modular forms in number theory

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時間　2020.05.25 (Mon.) 16:00 – 17:00

地點　Room 101, General Building III

茶會　15:30, R707

Abstract

Modular forms are complex-valued functions with many symmetries defined on the complex upper half-plane. Their Fourier coefficients often carry rich arithmetic or combinatorial meanings. As a result, many important problems in number theory can be solved by studying modular forms. (Among them, the Fermat Last Theorem is perhaps the most well-known.) In this talk, we will review several beautiful applications of modular forms in number theory from the early days of modular forms. The talk will be accessible to undergraduate students.

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