

國立陽明交通大學應用數學系

學術演講公告

主講人：郭家瑋教授（台灣大學 數學系）

講 題：Cuspidal divisor class groups of the modular curve

時 間：111 年 10 月 18 日(星期二) 下午 2:00 –3:00

地 點：(光復校區) 科學一館 223 室

Abstract

Let $N = p^2M$ with p a prime and M a square free integer, $\mathscr{C}(N)$ be the subgroup of the Jacobian variety $J_0(N)$ generated by the equivalent classes of cuspidal divisors of degree 0 , and $\mathscr{C}_{\{\mathbb{Q}\}}(N)$ be the subgroup of $\mathscr{C}(N)(\mathbb{Q})$ generated by \mathbb{Q} -rational cuspidal divisors. In this talk, we will show that the two groups $\mathscr{C}(N)(\mathbb{Q})$ and $\mathscr{C}_{\{\mathbb{Q}\}}(N)$ are equal by appropriate constructions of modular units. This is a joint work with Yifan Yang, Hwajong Yoo, and Myungjun Yu.

敬請公告 歡迎參加

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