

Tsing Hua Number Theory Seminar

講題 Generalized Anderson modules over finite fields

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時間 2023.6.28 (Wed.) 9:00 – 10:00

地點 Room 723, General Building III

Abstract

We investigate generalized Anderson modules for rational function fields and Laurent series fields over finite fields. By adapting methods of Poonen for Drinfeld modules, we define pairings on torsion submodules of a given Anderson module and its adjoint. In turn these pairings lead to identities for the Fitting ideal of the rational points of the Anderson module in terms of characteristic polynomials for its Tate module. We apply these considerations to convolutions of Drinfeld modules. Joint with W.-C. Huang.

歡迎參加，敬請張貼

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