

九大代数学セミナー

日時 2017年5月12日(金) 16:00-17:00

場所 九州大学伊都キャンパス ウエスト1号館5階 C-512 中講義室

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講演者：平之内 俊郎 氏 (九州工業大学)

- “A Hermite-Minkowski type theorem of varieties over finite fields”
- We show the finiteness of étale coverings of a variety over a finite field with given degree whose ramification bounded along an effective Cartier divisor. The proof is an application of P. Deligne’s theorem (H. Esnault and M. Kerz in *Acta Math. Vietnam.* 37:531-562, 2012) on a finiteness of ℓ -adic sheaves with restricted ramification. By applying our result to a smooth curve over a finite field, one obtain a function field analogue of the classical Hermite-Minkowski theorem.

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