ÇANKAYA UNIVERSITY
FACULTY OF ARTS AND SCIENCES
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCES

SEMINAR

Value sets of Lattes maps over finite fields

SPEAKER : **Assoc. Prof. Dr. Ömer Küçüksakallı**

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TIME : **13:20**

PLACE : **Çankaya University (Central Campus), R-213 (Seminar Room)**

Abstract

We give an alternative computation of the value sets of Dickson polynomials over finite fields by using a singular cubic curve. Our method is not only simpler but also it can be generalized to the non-singular elliptic case. We determine the value sets of Lattes maps over finite fields which are rational functions induced by isogenies of elliptic curves with complex multiplication.

All interested are cordially invited.

ADDRESS : **Eskişehir Yolu 29.km, 06810, Etimesgut/ANKARA**