MATH COLLOQUIUM

Some applications of curves over finite fields

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Date : Wednesday, April 21, 2009
Time : 14:00
Place : TB 250, Boğaziçi Üniversitesi

Abstract: I plan to present two applications of algebraic curves over finite fields to coding theory. One is related to the study of weights in cyclic codes, which is one of the classical problems of coding theory. The second is the construction of the so-called algebraic geometry codes. Both of these applications require answers to some challenging problems about curves. We will try to present some of these problems.

Tea and coffee will be served at 15:00