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Function fields with many rational places

Abstract
Function fields are used to construct several objects in discrete mathematics, in particular excellent error-correcting codes. In the past 30 years there has been an increasing interest in function fields both from the theoretical and applied mathematical society. In particular of interest are function fields with many rational places, or more geometrically formulated, algebraic curves having many points defined over a finite field. In this talk, I will give an overview of recent developments within this area.

All are cordially invited