Recursive towers of function fields over finite fields

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Let $\mathbb{F}_q$ be a finite field ($q = p^k$ with p a prime and $k \geq 1$ an integer) and $F/\mathbb{F}_q$ be an algebraic function field of one variable with the field $\mathbb{F}_q$ as its full constant field. In this talk, I will firstly give a short introduction to recursive towers of function fields over finite fields. Then we discuss some results on quadratic recursive towers over the field $\mathbb{F}_2$ (which is a joint work with Henning Stichtenoth).

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