

**Counting quadratic forms of codimension 2 in characteristic 2 and relations to
maximal curves**

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Let \mathbb{F}_q be an arbitrary finite field of characteristic 2 and $k \geq 2$ be an arbitrary integer. We count the number of quadratic forms of codimension 2 on \mathbb{F}_{q^k} over \mathbb{F}_q and we give some related results, including some relations to certain maximal curves over finite fields.