

# **Irrdeucible factors of a class of permutation polynomials**

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Factorization of various types of polynomials over a finite field  $\mathbb{F}_q$  is a classical problem. However factorization of permutation polynomials of  $\mathbb{F}_q$  was not studied previously. We present our recent results on the degrees of the irreducible factors of a large class of permutation polynomials.

This is joint work with Henning Stichtenoth and Alev Topuzoğlu.