



Algebra and Number Theory Seminar

Title: On a class of bent functions

Speaker: Petr Lisonek (Simon Fraser University)

Date: Wed 16th June 2010 at 12:00PM

Location: Mathematical Sciences Seminar Room

Abstract: We look at the class of monomial and multinomial bent functions on $\text{GF}(p^{2m})$ for which each exponent in their trace representation is divisible by $p^m - 1$. The study of these functions is related to the study of bent functions over $\text{GF}(2)$.