

MONTGOMERY AREA MATHEMATICS SEMINAR

Polynomials over finite fields with evenly distributed sets of values

Speaker: Prof. Thomas W. Cusick

Department of Mathematics

State University of New York at Buffalo

Place: Goodwyn Hall 202; Time: 4:00, Wednesday, February 23, 2005

Refreshments at 3:45 pm

Abstract: Few nontrivial results about the value sets of polynomials over finite fields are known. The talk will summarize the history of this subject and give some new results on value sets with evenly distributed values. Some applications to cryptography will be indicated.

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