

B I-CO MATHEMATICS COLLOQUIUM

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*“An examination of the size of the image for
polynomial maps over finite fields.”*

Monday, February 4, 2008

Talk at 4:15 – Park 338
Tea at 3:45 – Park 355, Math Lounge

Abstract:

Every function from a finite field to itself is a polynomial.

What image size do we expect for these functions?

How does the degree determine the image size?

How might we construct polynomials with a particular image size?

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