Steven Dougherty (Scranton)

Coding Theory as Pure Mathematics

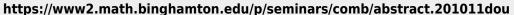
Abstract for the Combinatorics Seminar 2010 November 16

I will give an explanation of the central question of coding theory from its origin in electronic communication to its study as a branch of pure mathematics. Along the way I will show the importance of Frobenius rings and the Chinese Remainder Theorem.

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