BI-CO MATHEMATICS COLLOQUIUM

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"Rewriting codes using finite geometries"

Monday, November 26, 2012

Talk at 4:00 – Park 328
Tea at 3:30 – Park 355, Math Lounge

Abstract:

Coding theory is the study of reliable communication over unreliable channels, including storage channels. This talk will give a brief overview of directions in modern coding theory, focusing particularly on coding problems inspired by the structure of flash memory storage devices. After an introduction to classical coding theory and the flash memory problem, we will show how rewriting codes can be obtained using finite geometries.

BRYN MAWR COLLEGE