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Elizabeth J. Bodine* (ebodine@math.wsu.edu), Department of Mathematics, P.O. Box 643113, Pullman, WA 99164-3113, and **Judith J. McDonald**. *Spectrally arbitrary patterns over finite fields*.

In this talk, we will explore zero-nonzero patterns that are spectrally arbitrary over finite fields. In particular, we will examine patterns that illustrate fundamental differences in the algebraic structure of different fields. (Received February 16, 2010)