1135-05-845   **Esmeralda Nastase** (`akmanf@ilstu.edu`), Xavier University, Mathematics Department, Cincinnati, OH 45207, and **Papa Amar Sissokho*** (`nastasee@xavier.edu`), Illinois State University, Mathematics Department, Normal, IL 61790. *The maximum size of a partial spread in a finite projective space.*

Let $V = V(n, q)$ denote the vector space of dimension n over the field with q elements. A partial t-spread of V is a collection of t-dimensional subspaces of V whose pairwise intersection is trivial. In a recent paper, we determined the maximum cardinality of a partial t-spread for almost all values of the parameters n, t, and q. We will talk about this result and its relevance to coding theory. (Received September 26, 2017)