

Meeting: 1001, Evanston, Illinois, SS 5A, Special Session on Codes and Applications

1001-94-426 **Alexander Barg*** (abarg@umd.edu), Department of Electrical and Computer Eng., University of Maryland, College Park, MD 20742. *Codes on graphs and hypergraphs.*

It is a well-known fact that the distance of a code defined on a graph can be analyzed relying on the expanding properties of the graph. I will review some of the recent results in this problem (joint work with Gilles Zemor). I will also discuss a possible extension of this link to hypergraphs (ongoing research with Patrick Sole). (Received September 01, 2004)