

**Meeting:** 1005, Newark, Delaware, SS 5A, Special Session on Designs, Codes, and Geometries

1005-05-32            **Vladimir D. Tonchev\*** ([tonchev@mtu.edu](mailto:tonchev@mtu.edu)), Mathematical Sciences, Michigan Technological University, 1400 Townsend Drive, Houghton, MI 49931. *Partitions of difference sets and code synchronization.*

Difference Systems of Sets (DSS) are combinatorial structures that are a generalization of cyclic difference sets and arise in connection with code synchronization. The paper surveys recent constructions and open problems concerning difference systems of sets obtained as partitions of cyclic difference sets. (Received January 14, 2005)