## ICM 1998, Berlin, Aug. 18–27

## Abstracts of Short Communications and Posters

### Section:

## 13. Combinatorics

1991 MS Classification: 1991 AMS Classification: 05
Khosrovshahi, Gholamreza B. , Institute for Studies in Theoreretical Physics and Mathematics (IPM), Tehran, Iran

**On trades and their codes**

We consider the families of t-subsets vesus k-subsets inclusion matrices. We call the null spaces of these matrices over any finite field *trade spaces*. Trades have some nice combinatorial properties. Some of these spaces generate codes with some nice properties. These codes are a generalization of graphical codes which were recently studied very closely. In this talk we examine some examples of such codes.