

## Combinatorics Seminar

### *Ranks of matrices with few distinct entries*

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**Abstract:** Many applications of the linear algebra method to combinatorics rely on the bounds on ranks of matrices with few distinct entries and constant diagonal. In this talk, I will explain some of these application. I will also present a classification of sets  $L$  for which no low-rank matrix with entries in  $L$  exists.

Monday, April 17 at 2:00 PM in SEO 612