

# Combinatorics Seminar

Wednesday, March 19th, 2025

4:00-5:00 pm in Hume 331

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## Some applications of the higher energy method to distribution irregularities

### Abstract

We review recent results obtained by the method of higher sumsets and higher energies. In particular, we discuss two applications: irregularities in the distribution of the difference set and irregularities in the large Fourier coefficients of sets with small sumsets.