

## Thomas Zaslavsky (Binghamton)

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### Graphs and Geometry

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#### Abstract for the Combinatorics Seminar 2007 February 27

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A survey of graphs and gain graphs and their geometrical interpretations and consequences. Topics will include (in decreasing order) graphic and gain-graphic matroids, graphic and gain-graphic hyperplane arrangements, hyperplanes from Pythagorean coordinates, and lattice-point counting. You may leave knowing more about matroids than when you came in, but not less, I hope.

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