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### Extremal Edge Polytopes of Graphs

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#### Abstract for the Combinatorics Seminar 2014 May 15

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The (unoriented) edge polytope of a graph  $G$  is the convex polytope whose vertices are the columns of the unoriented incidence matrix of  $G$ . Edge polytopes were introduced relatively recently, in two papers of 1998. They form a rich family of 0/1-polytopes with interesting random and extremal properties. I will present a paper by Tuan and Ziegler that explores these properties.

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