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### Neighborliness in Edge Polytopes

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#### Abstract for the Combinatorics Seminar 2014 October 14

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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  $G$ . They form a rich family of 0/1-polytopes with interesting properties. In particular, there is a simple graph-theoretic characterization of neighborliness of edge polytopes. I will present work of Tuan and Ziegler that explores these properties.

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