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**Yury Ustinovskiy\***, Fine Hall, Washington Road, Princeton, NJ 08544. *Face numbers of flag simplicial complexes and toric topology.*

Denham and Suciu in the paper “Moment-angle complexes, monomial ideals and Massey products”, 2007 and Panov and Ray in the paper “Categorical aspects of toric topology”, 2008 computed ranks of homotopy groups and Poincaré series of a moment-angle-complex  $Z(K)$  / Davis-Januzskiewicz space  $DJ(K)$  associated to a flag simplicial complex  $K$ . In this talk we revisit these results and interpret them as polynomial bounds on the face numbers of an arbitrary simplicial flag complex. (Received January 24, 2017)