1108-05-396   **Laura Escobar*** (`le78@cornell.edu`), 310 Malott Hall, Cornell University, Ithaca, NY 14853, and **Karola Mészáros**. *Realizing subword complexes via triangulations of root polytopes.*

Subword complexes are simplicial complexes introduced by Knutson and Miller to illustrate the combinatorics of Schubert polynomials and determinantal ideals. They proved that any subword complex is homeomorphic to a ball or a sphere and asked about their geometric realizations. We show that a family of subword complexes can be realized geometrically via triangulations of root polytopes. Based on joint work with Karola Mészáros. (Received January 19, 2015)