1117-14-262 **Dustin Cartwright***, Department of Mathematics, 227 Ayres Hall, Knoxville, TN 37996-1320. On dual complexes of degenerations.

The dual complex of a degeneration records how the components of the special fiber intersect. It appears in tropical geometry as a parametrizing object for the tropicalization and as a skeleton for the Berkovich analytification. I will discuss how the topology of the dual complex reflects the geometry of the algebraic variety above the general fiber. (Received January 15, 2016)