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Kelly A Jabbusch* (jabbusch@umich.edu). *Visualizing toric vector bundles.*

Using Klaychko's characterization of toric vector bundles on a smooth complete toric variety we can relate to a toric vector bundle a parliament of polytopes, that is a collection of rational convex polytopes, which extends the corresponding theory of line bundles. Positivity properties, such as global generation and generation of jets can be visualized in terms of convex properties of the corresponding polytopes. I will illustrate this correspondence and show how these criteria lead to proving and disproving connections between various notions of positivity. (Received February 10, 2018)