1125-11-55   **David Zureick-Brown*** (`dzb@mathcs.emory.edu`), 400 Dowman Drive, Atlanta, GA 30322, and **Eric Katz** and **Joe Rabinoff**. *Tropical geometry and uniformity of rational points.*

I will discuss recent progress on the uniformity conjecture – the existence of a universal bound on the number of rational points on curves of a fixed genus – and explain new ideas from tropical and non-archimedian analytic geometry which lead to a partial proof of the uniformity conjecture. (Received June 27, 2016)