1154-05-1983   **Christopher Eur*** (`chrisweur@berkeley.edu`). *Towards a tropical geometry of Coxeter matroids.* Preliminary report.

Matroids are combinatorial objects that capture the essence of linear independence, whose theory has recently seen a fruitful interaction with tropical and toric geometry. As matroids can be considered as "type A" objects, we ask whether similar interaction occurs for Coxeter matroids, which are generalizations of matroids to arbitrary Coxeter types. We discuss some progress in the study of Coxeter matroids from the perspective of tropical and toric geometry, and lay out some of the challenges ahead. (Received September 17, 2019)