1163-13-452   **Ayah Almousa*** (`aka66@cornell.edu`), **Kuei-Nuan Lin** (`kul20@psu.edu`) and **Whitney Liske** (`whitney.liske@stvincent.edu`). *Rees Algebras of Closed Determinantal Facet Ideals.*

Using SAGBI basis techniques, we find Gröbner bases for the presentation ideals of the Rees algebra and special fiber ring of a closed determinantal facet ideal. In particular, we show that closed determinantal facet ideals are of fiber type and their special fiber rings are Koszul. Moreover, their Rees algebras and special fiber rings are normal Cohen-Macaulay domains and have rational singularities. (Received September 07, 2020)