

1165-13-247

**Gabriel E Sosa Castillo\***, gsosacastillo@colgate.edu, and **Kuei-Nuan Lin** and **Selvi Kara**.

*Fiber Graphs for multi-Rees Algebras of Strongly Stable Ideals.*

We explore connections between certain directed graphs (associated to collections of marked binomials) and Gröbner basis. We then apply these connections to prove results regarding multi-Rees algebras of strongly stable ideals. (Received January 18, 2021)