

1112-13-167

Sema Gunturkun*, University of Michigan, Ann Arbor, MI. *A description of Boij-Söderberg decomposition for lex ideals.* Preliminary report.

Boij-Söderberg theory describes the scalar multiples of Betti diagrams of graded modules over a polynomial ring as a linear combination of pure diagrams with positive coefficients. There are a few results that describe Boij-Söderberg decompositions explicitly. In this talk, we demonstrate a neat pattern for Boij-Söderberg decomposition for lex ideals and characterize it by using Boij-Söderberg decompositions of some other related lex ideals. (Received July 31, 2015)