

1064-13-361

Jay Schweig* (jschweig@math.ku.edu), 405 Snow Hall, 1460 Jayhawk Blvd., Lawrence, KS 66045, and **Christopher Francisco** and **Jeffrey Mermin**. *Borel Ideals Via Borel Generators II*.

We continue the study of Borel ideals, investigating the Betti numbers of principal Borel ideals. We use a special filling of a Young tableau to prove a recursion related to these ideals, and finally show a surprising connection between the Betti numbers of certain principal Borel ideals and pseudo-triangulations of certain point sets. (Received September 14, 2010)