1038-13-177 **C Polini*** (`cpolini@nd.edu`), Department of Mathematics, University of Notre Dame, Notre Dame, IN 46556-5641. *On the Equations of Blowup Algebras.* Preliminary report.

I will report on ongoing work with A. Kustin and B. Ulrich. We compute the equations defining the Rees algebra of ideals generated by forms of the same degree in a polynomial ring in two variables. (Received February 07, 2008)