1052-13-338 **Thuy Pham*** (tpham@utsc.utoronto.ca), Department of Mathematics, University of Toronto, 40 St. George Street, Toronto, Ontario M5S 3G3, Canada, and **Wolmer V. Vasconcelos** (vasconce@math.rutgers.edu), Department of Mathematics, Rutgers University, 110 Frelinghuysen road, Piscataway, NJ 08854. **On the computation of the jdeg of blowup algebras**.

For a graded algebra $\mathbf{A}$, its jdeg($\mathbf{A}$) is a global degree that can be used to study complexity of the normalization $\bar{\mathbf{A}}$. In this talk, we discuss methods to estimate jdeg using symmetric algebras and approximation complexes. This is joint work with Wolmer Vasconcelos. (Received September 01, 2009)