

**Meeting:** 1003, Atlanta, Georgia, SS 20A, AMS Special Session on Commutative Algebra, I

1003-13-1455      **Hema Srinivasan\*** ([hema@math.missouri.edu](mailto:hema@math.missouri.edu)), Department of Mathematics, University of Missouri, Columbia, MO 65211. *Multiplicity of height three monomial Ideals*. Preliminary report.

We will report on joint work with Tai Ha on the multiplicity conjectures. We will discuss the Taylor bound for multiplicity and show that the Taylor bound holds for the multiplicity of monomial ideals with certain configurations including height three monomial ideals. (Received October 05, 2004)