

Meeting: 999, Nashville, Tennessee, SS 6A, Special Session on Local and Homological Algebra

999-13-176

Catalin Ciuperca* (catalin@math.missouri.edu), Department of Mathematics, 202
Mathematical Sciences Building, University of Missouri, Columbia, MO 65211. *Integral closedness
of almost complete intersection ideals.*

Let (A, m) be a local ring of dimension d . It has been proved by Goto that integrally closed m -primary complete intersection ideals exist if and only if the ring is regular, in which case any such ideal contains $d - 1$ regular parameters.

We will talk about the existence and the structure of the m -primary integrally closed ideals generated by $d + 1$ elements. (Received August 22, 2004)