

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

1003-13-558 **Craig Huneke*** (huneke@math.ku.edu), Department of Mathematics, University of Kansas, Lawrence, KS 66045. *Ideals defining Gorenstein rings are (almost) never products*. Preliminary report.

I will talk about the following theorem: let (R, \mathfrak{m}) be an unramified regular local ring, and let I be an ideal of R such that R/I is Gorenstein. If the height of I is at least two, then I cannot be written as a product of two proper ideals. (Received September 22, 2004)