

1011-13-56

**Sankar P Dutta\*** ([dutta@math.uiuc.edu](mailto:dutta@math.uiuc.edu)), Department of Mathematics, University of Illinois, Urbana, IL 61801. *Strict Map of Modules and Intersection Multiplicity*. Preliminary report.

We would like to present a relation among several concepts in connection with Intersection Multiplicity. First we would like to investigate the notion of a strict map of modules as introduced by Serre. Next we will generalize a theorem of Peskine and Szpiro and point out the geometric significance of this generalization. In the end we would like to show how the results, thus obtained, relate to Intersection Multiplicity. (Received August 09, 2005)