

Meeting: 1003, Atlanta, Georgia, MAA CP X1, MAA General Contributed Paper Session, I

1003-X1-529 **Richard O. Hill*** (hill@math.msu.edu), Dept. of Mathematics, Michigan State University, E. Lansing, MI 48824. *On the Transition in Mathematics from High School to Michigan State University*. Preliminary report.

This is a study of relationships between senior-level high school math courses and entry level math courses at MSU. It involves just under 3000 students who graduated from 1996 - 1999 from 34 high schools. Results include: both AP and nonAP calculus generally "work well"; AP statistics does not work well; second and third tier senior high school math courses often do not work well; high school math courses vary tremendously, both from school to school and internally in a given school; students who place into remedial math mostly come from very weak math backgrounds; and students with no senior year math usually place low and do poorly. (Received September 20, 2004)