

Meeting: 1003, Atlanta, Georgia, SS 11A, AMS Special Session on Riemannian Geometry, I

1003-53-356 **William H. Meeks*** (bill@gang.umass.edu), Professor William Meeks, Math Dept, University of Massachusetts, Amherst, MA 01003. *Recent Progress in the Classical Theory of Minimal Surfaces*. Preliminary report.

I will go over recent results and the new directions that research in this classical area of surface geometry has taken in the last couple of years. I will cover some of the recent results of Colding-Minicozzi, Meeks-Perez-Ros, and Meeks-Rosenberg on the global theory of complete embedded minimal surfaces in three dimensional Euclidean space. (Received September 12, 2004)