1025-51-8   **Rodrigo R Montes*** (`ristow@math.wustl.edu`), 7020, Dartmouth Av., Universitycity, Saint Louis, MO 63130-2314. *Characterization of Legendrian Minimal Surfaces in S^5.*

In this talk we will introduce a new geometric invariant in order to study immersed surfaces in S^{2n+1}. This invariant (the contact angle) measures the angle between the contact distribution and the tangent space of the surface. Using this invariant we will deduce Gauss-Codazzi-Ricci equations for a minimal surface in S^5, and we will give another proof of a theorem for legendrian minimal surfaces in the sphere S^5 using contact structures and moving frames. (Received October 20, 2006)