

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

1003-53-1472 **John McCuan*** (mccuan@math.gatech.edu), 686 Cherry Street, Atlanta, GA 30332, **Ryan Hynd** (ryanhynd@math.berkeley.edu), Math Dept., Berkeley, CA, and **Sungho Park** (shbuti00@yahoo.co.kr). *Symmetric CMC Surfaces in the Three-sphere*. Preliminary report.

We describe notions of symmetry for surfaces in the three-sphere which generalize rotational symmetry. Under certain circumstances, we can express such surfaces in terms of elliptic integrals and, hence, give a complete geometric and topological description. (Received October 05, 2004)