

Meeting: 998, Houston, Texas, SS 16A, Special Session on Mathematical Physics

998-81-352 **Brian C. Hall*** (bhall@nd.edu) and **Jeffrey J. Mitchell.** *Segal-Bargmann transform for noncompact symmetric spaces.* Preliminary report.

I will describe recent progress with J. Mitchell on developing a Segal-Bargmann transform for noncompact symmetric spaces, paralleling the earlier theory for the compact and Euclidean cases. The key to the noncompact case is obtaining certain cancellation of singularities. (Received March 02, 2004)