1099-37-89 **Scott R Kaschner*** (skaschner@math.arizona.edu) and **Roland K.W. Roeder**. *Superstable Manifolds of Invariant Circles.*

In this talk, I will discuss the dynamics of dominant, meromorphic self-maps of complex manifolds of dimension $n > 1$. Specifically, I will focus on the situation in which there is an invariant embedded copy of $\mathbb{CP}^1$ that also contains an invariant real circle. I will describe the regularity the of superstable manifolds of this circle and how they relate to global properties of the embedded $\mathbb{CP}^1$. Also, there is a physical interpretation to one of the maps described; I will explain how this is related and how it motivated this work. (Received January 28, 2014)