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Scott R Kaschner* (skaschne@butler.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 February 09, 2018)