

Meeting: 998, Houston, Texas, SEADE,

998-53-5 **Jose Seade***, UNAM. *Knots, fibered links, and singularities.*

There is a beautiful interplay between knot theory and complex singularities, which has been explored by many people for a long time. For instance, it is known that the link of every plane curve singularity is an iterated cable knot. There are many remarkable theorems in high dimensions proved by Brieskorn, Hirzebruch, Milnor and others. When we consider real analytic singularities the situation is much more complicated, but there are still interesting things one can say. In this talk I will make a brief survey of the topic, starting with the classical results for complex singularities and presenting work done by various people, including myself, exploring the topology of real singularities and its relation with fibered knots and links. (Received August 12, 2003)