

Michigan Math Club

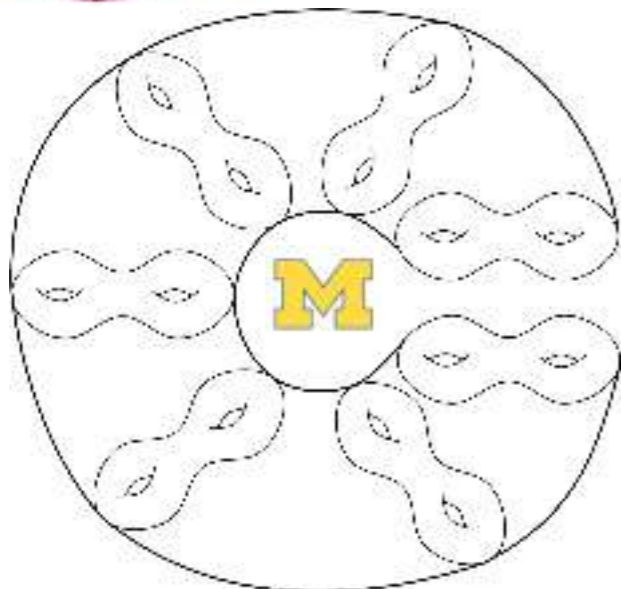
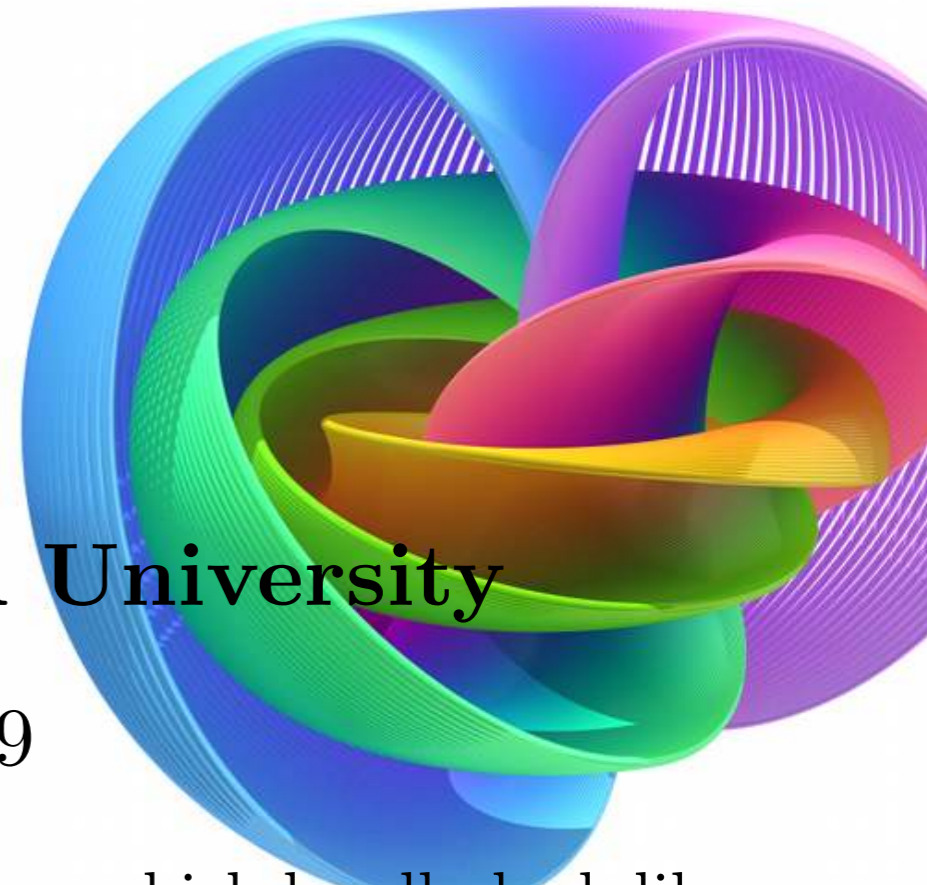
Thursday at 4pm in the Nesbitt Room
Free Pizza and Pop



Visualizing 3-Manifolds

Maxime Scott, Indiana University

Abstract for 24 January 2019



Three-manifolds are topological spaces which locally look like a Euclidean space of dimension 3. For example, the universe is a three-manifold. From our perspective, it looks like a Euclidean space, but we don't know exactly what the global shape is. In this talk, we will focus on a particular set of three-manifolds that can be expressed a certain way. We will use our knowledge of surfaces; that is, of 2-dimensional manifolds to help guide us.