1071-57-142 **Scott Baldridge*** (sbaldrid@math.lsu.edu), 224 Lockett Hall, Department of Mathematics, Baton Rouge, LA 70803. *Knotted tori in $\mathbb{R}^4$ and hypercube diagrams.*

In this talk we will introduce a new representation of an embedded knotted torus in $\mathbb{R}^4$ called a hypercube diagram, i.e., a 4-dimensional grid diagram. We will present a few examples of knotted tori and discuss invariants derived from hypercube diagrams. (Received March 01, 2011)