

MATH and PIZZA

Visualizing Spheres

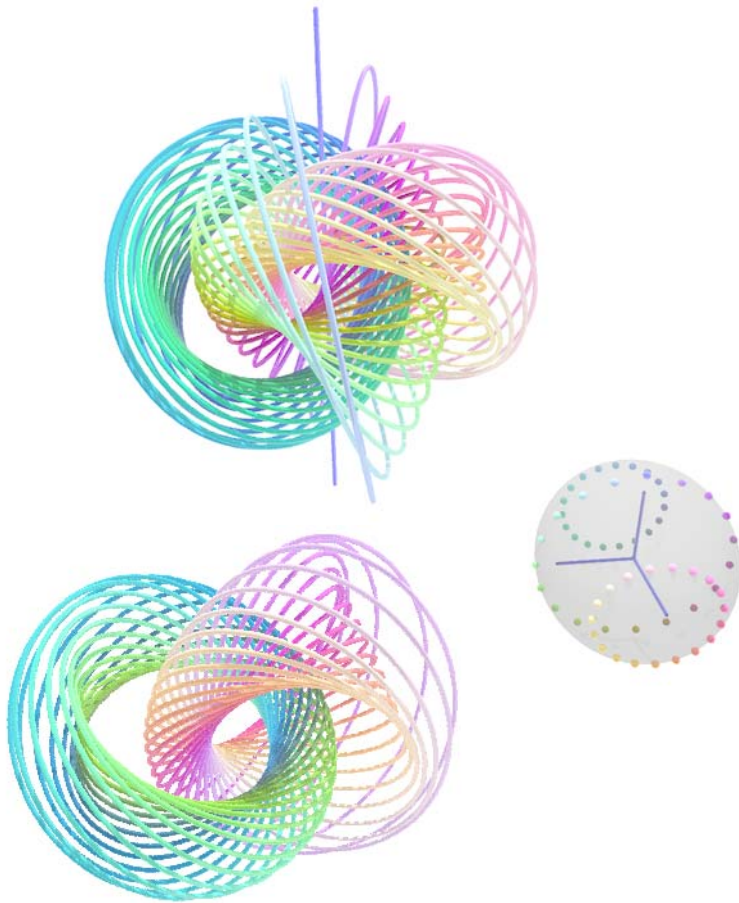
Speaker

Niles Johnson

The Ohio State University, Newark

Sponsored by

UK Department of Mathematics



Date: Thursday, October 11, 2012

Time: 4:00pm - 5:00pm

Room: 247, Classroom Building

Abstract:

Spheres are shapes of fundamental importance and beauty. 1-dimensional and 2-dimensional spheres are probably familiar: a circle and the surface of a beach ball. Higher-dimensional spheres are wonderfully complex and fascinating.

In this talk we will describe spheres and a mathematical structure known as a fibration which allows us to visualize the 3-sphere and 7-sphere. This will include two animated visualizations, and an explanation of the mathematics involved in making them.

We will also explain what makes 3, 7 (and 15) so special.

*All students
with an interest in Mathematics
are welcome to attend !!*

UK Math Club
www.math.uky.edu/~mathclub