Michigan Math Club

Thursday at 4pm in the Nesbitt Room

Free Pizza and Pop

A Torus Farey Tale

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Abstract for 25 February 2016

When we think of the circle, we often think of the unit circle in the plane. But, we can also picture and study circles in all kinds of spaces. As an interesting hands-on example we will look at all the ways a circle can sit on the torus (picture the surface of a doughnut). In our exploration, we will relate this problem to the rational numbers and to the Farey sequence.