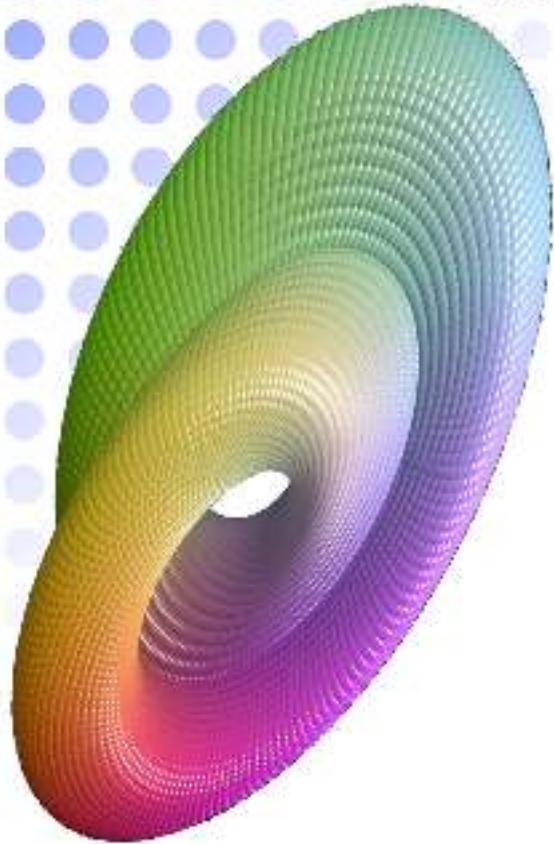# Michigan Math Club

Thursday at 4pm in the Nesbitt Room

Free Pizza and Pop

A, D and E

Eleonore Faber

Abstract for 10 Dec. 2015

In this talk we will meet the Coxeter-Dynkin diagrams of type A, D and E, which seem to come up in nearly every area of pure mathematics. They reveal deep connections between apparently unrelated subjects such as Platonic solids, additive functions on graphs and representation theory. I will present some elementary problems in which these Coxeter-Dynkin diagrams appear, and hint at other examples.