

UBC Number Theory Seminar: January 26, 2022

Speaker: Melissa Emory (University of Toronto)

Title: Sato-Tate Distributions of Higher Genus Curves

Abstract: We discuss work to determine Sato-Tate groups for higher genus curves. In so doing, we detail an effective algorithm that computes the identity component of Sato-Tate groups. We will also discuss open problems related to this work and graduate students are encouraged to attend. This is joint work with H. Goodson and A.Peyrot.