

Speaker: Kristin DeVleming (University of Massachusetts Amherst)

Title: The Hassett-Keel program in genus 4

Abstract: Studying the minimal model program with scaling on the moduli space of genus g curves and interpreting the steps in a modular way is known as the Hassett-Keel program. The first few steps are well-understood yet the program remains incomplete in general. We complete the Hassett-Keel program in genus 4 using wall-crossing in K -moduli and modular interpretations. This is joint work with Kenneth Ascher, Yuchen Liu, and Xiaowei Wang.