

ALGEBRA  
SEMINAR

*The Hassett-Keel program in genus 4*

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**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.

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MATHEMATICS  
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