Hannah Markwig: **Tropicalizing rational relative Gromov-Witten theory of P^1**

We show that the relative stable map compactification of M_0,n (for maps to P^1, relative to two points) is a tropical compactification. Furthermore, the tropicalization of the open part equals the tropical space of relative stable maps to P^1. Consequently, the Chow ring of the relative stable map space can be computed by means of tropical intersection theory in an intuitive way. Â The correspondence theorem for Hurwitz numbers, and more generally, genus 0 relative Gromov-Witten invariants, is now an easy corollary of this strong connection on the level of moduli spaces.Â
This is joint work with Renzo Cavalieri and Dhruv Ranganathan.Â