

Rubber tori and the boundary of expanded stable maps

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Extending and generalising Jun Li's original approach to define relative GW invariants, Ranganathan constructs moduli spaces of (log) expanded stable maps. These spaces parametrise transverse stable maps to certain target expansions. In this talk, I will start by describing the geometry of the expansions that can appear as targets in the moduli space of expanded maps. I will then explain the identification of maps in the boundary induced by the action of rubber tori on the "higher levels" of the expanded target; such action can be satisfyingly described at the tropical level. In particular, I will explain the difficulties in obtaining a recursive description for the boundary of the moduli space of expanded maps. This is based on joint works with N. Nabijou.

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