1167-18-262 **Asilata Bapat*** (asilata.bapat@anu.edu.au), **Anand Deopurkar** and **Anthony M Licata**.

A Thurston compactification of Bridgeland stability space. Preliminary report.

The space of Bridgeland stability conditions on a triangulated category is a complex manifold. We propose a natural compactification of this space via a continuous map to an infinite projective space. Under suitable conditions, we conjecture that the compactification is a real manifold with boundary, on which the action of the autoequivalence group of the category extends continuously. We focus on 2-Calabi–Yau categories associated to quivers, which enjoy rich braid group actions, and we prove our conjectures in the A_2 and $\widehat{A_1}$ cases. This is joint work with Anand Deopurkar and Anthony Licata. (Received March 08, 2021)