1146-20-339   **Marissa Kawehi Loving*** (`mloving2@illinois.edu`), 1409 W Green St., Urbana, IL 61820.
Least dilatation of pure surface braids.

The n-stranded pure surface braid group of a genus g surface can be described as the subgroup of the pure mapping class group of a surface of genus g with n-punctures which becomes trivial on the closed surface. I am interested in the least dilatation of pseudo-Anosov pure surface braids. For the $n = 1$ case, upper and lower bounds on the least dilatation were proved by Dowdall and Aougab–Taylor, respectively. In this talk, I will describe the upper and lower bounds I have proved as a function of g and n. (Received January 26, 2019)