984-14-49 Satyan L Devadoss\* (satyan.devadoss@williams.edu), Department of Mathematics and Statistics, Bronfman Science Center, Williamstown, MA 01267. Associahedra in Tori and Projective Spaces.

We look at arrangements on the tori coming from moduli spaces of real Riemann spheres. We compare it with the braid arrangement in projective space, following Kapranov, and show a combinatorial equivalence of varieties under blow-ups of certain intersections. This leads to new constructions of the Stasheff polytope (associahedron) as truncated products of simplices. (Received January 02, 2003)