

1135-57-3192 **Jay MJ Leach*** (jleach@math.fsu.edu). *Detected slopes of manifolds with symmetries.*

In 3-manifolds which have a single torus boundary component the components of the character variety can detect separate slopes for incompressible surfaces. I will look at what these slopes are for a family of two twist knots, and then state a general result. For Knots with symmetry, if a slope is detected by the canonical component of its character variety then there must exist a surface in the manifold that is preserved by the symmetry. (Received September 27, 2017)