

1135-53-1049

Andrew Lee* (alee150@ucsc.edu) and **Timothy Perutz**. *An Invariant of Mapping Tori from Moduli of Stable Pairs*.

In this talk we use a construction of a moduli space of stable pairs over a Riemann surface to produce a Floer-theoretic invariant of a mapping torus for a surface diffeomorphism (together with a choice of line bundle on it). We then describe some consequences and how this construction relates to other 3-manifold invariants. This is joint work with Tim Perutz. (Received September 18, 2017)