1134-54-368 **Wade Bloomquist*** (bloomquist@math.ucsb.edu) and **Zhenghan Wang**. *Skein Theory and Asymptotic Faithfulness.*

Quantum representations of mapping class groups arise from (2+1) dimensional TQFTs, and thus modular tensor categories using a construction of Turaev. Given a Lie algebra and a level, there exists a modular tensor category and thus a mapping class group representation. Using techniques based on the spiders of Kuperberg for rank 2 Lie algebras we explore properties of these representations as the level tends towards infinity. (Received September 11, 2017)