

1113-46-162

**Zhengwei Liu\*** ([zhengweiliu@fas.harvard.edu](mailto:zhengweiliu@fas.harvard.edu)). *Skein theory for subfactors.*

We talk about the classification and construction of subfactors. We provide a universal skein theory to construct small index subfactors and a different type skein relation, called Yang-Baxter relation, to construct new subfactors with large index. (Received August 19, 2015)