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Classification of subfactors by skein theory.

We propose a program on the classification of subfactors and planar algebras by skein theory. We will talk about some recent classification results for various skein theories. They include local skein theories, such as commute relations, exchange relations, popping-triangle relations; and global skein theories, such as Yang-Baxter relations, Thurston relations. We discovered a new one-parameter family of planar algebras in the skein theoretic classification program. (Received September 24, 2018)