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Peter Samuelson* (psamuels@ucr.edu). *The BMW skein algebra of the torus.*

The Homflypt skein relations are linear relations satisfied by the R -matrix associated to \mathfrak{gl}_n for any n , and they are the relations describing the kernel of the map from the group algebra of the braid group to type A Hecke algebra. There are similar-looking skein relations in type BCD (the Kauffman skein relations) which describe the Birman-Murakami-Wenzl algebra. In this talk we describe the “skein algebra of the torus” in both the type A and type BCD settings. (This talk is based on joint works with Morton and Morton-Pokorny.) (Received January 20, 2020)