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A profinite tensor product of vector spaces and bimodules

Based on a computation using bordered Floer bimodules, it seems that the sutured Floer homology of the infinite cyclic cover of the exterior of a knot, if it made sense, would take the form of an infinite tensor product of bimodules. But such objects do not behave well at all. In this talk, I will outline the construction of a profinite tensor product of vector spaces and bimodules, corresponding to profinite cyclic covers, which will have much better properties. This is joint work in progress with David Treumann.