MODULARITY FOR QUANTUM GROUPS AT ARBITRARY ROOTS OF 1

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I will discuss constructions of small quantum groups at arbitrary roots of unity. In the end, we associate a finite-dimensional (non-semisimple) modular tensor category to any pairing of a simply-connected reductive group with an even order root of 1. I will explain the field theoretic motivations for this work, and discuss possibilities for deforming these categories along (generally non-abelian) flat connections.