1116-16-1020 **Christine Uhl*** (christineuhl@my.unt.edu). *Parameter space of quantum Drinfeld Hecke algebras in low dimension.*

Finite groups act as graded automorphisms on quantum space giving rise to analogs of rational Cherednik algebras and symplectic reflection algebras for quantum/skew polynomial rings. The set of admissible parameters of these quantum Drinfeld Hecke algebras form a vector space. The dimension of the parameter space tells us about the degrees of freedom of nontrivial quantum Drinfeld Hecke algebras. We will pay special attention to mystic reflection groups, the infinite family of complex reflection groups and nonmonomial groups. (Received September 16, 2015)