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Noncommutative surfaces and curves of finite representation type

This is joint work with Daniel Chan. Local orders of global dimension two, over surfaces of finite representation type have been classified geometrically by Artin and by AR quivers by Reiten and Van den Bergh. We present a third classification via central extensions of finite subgroups of GL_2. This methods easily allows one to link all three classifications. We further classify noncommutative curves of finite representation type using noncommutative matrix factorizations and the classification of orders.