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Title: On a desingularization of the moduli space of noncommutative tori.

Abstract: It is shown that the moduli space of the noncommutative tori A admits a natural desingularization by the group $\text{Ext}(A, A)$. Namely, we prove that the moduli space of pairs $(A, \text{Ext}(A, A))$ is homeomorphic to a punctured two-dimensional sphere. The proof is based on a correspondence (a covariant functor) between the complex and noncommutative tori.