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Dixmier groups.

We describe the structure of the automorphism groups of algebras Morita equivalent to the first Weyl algebra. In particular, we give a geometric presentation for these groups in terms of amalgamated products, using the Bass-Serre theory of groups acting on graphs. A key role in our approach is played by a transitive action of the automorphism group of the free algebra on two generators on the Calogero-Moser varieties. (Received September 13, 2018)