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Classifying braidings on fusion categories

It is well known that braidings on a fusion category C are in bijection with sections of the forgetful functor $Z(C) \to C$, where $Z(C)$ is the center of C. We extend this observation by proving that braidings on fusion categories Morita equivalent to C are parameterized by pairs (A, S) consisting of a Lagrangian algebra A in $Z(C)$ and a fusion subcategory $S \subset Z(C)$ transversal to A and such that $\dim(S) = \dim(C)$. We use this to classify braidings on group-theoretical and on factorizable fusion categories. We discuss a relation between these results and the Belavin-Drinfeld classification of r-matrices for simple Lie algebras.