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Classical and quantum monodromy via action-angle variables.

The monodromy of a completely integrable system is one obstruction to the existence of global action-angle variables. Monodromy is also observed in quantum systems, where the quantum spectrum has a local but not global lattice structure. We give an elementary description of the relationship between classical and quantum monodromy as a consequence of the construction of action-angle variables. (Received January 19, 2016)