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Fundamental Groups of Smooth Quasiprojective Varieties

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ABSTRACT

We discuss certain restrictions imposed on a fundamental group of a smooth complex quasiprojective variety by the algebraic structure. We then investigate, using characteristic and resonance varieties, quasiprojectivity of various classes of groups such as the Artin groups, their normal subgroups, and certain generalizations of both. This will lead us to consider the finiteness properties of quasiprojective groups.