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Quasi-projectivity of moduli spaces of polarized varieties

Pages 597-639 from Volume 159 (2004), Issue 2 by Georg Schumacher, Hajime Tsuji

Abstract

By means of analytic methods the quasi-projectivity of the moduli space of algebraically polarized varieties with a not necessarily reduced complex structure is proven including the case of nonuniruled polarized varieties.



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To appear in

Non-quasi-projective moduli spaces

Pages 1077-1096 from Volume 164 (2006), Issue 3 by János Kollár

Abstract

We show that every smooth toric variety (and many other algebraic spaces as well) can be realized as a moduli space for smooth, projective, polarized varieties. Some of these are not quasi-projective. This contradicts a recent paper (Quasi-projectivity of moduli spaces of polarized varieties, *Ann. of Math.* 159 (2004) 597–639.).