

[Milne, J. S.](#)

Polarizations and Grothendieck's standard conjectures. (English) Zbl 1055.14008
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Summary: We prove that Grothendieck's Hodge standard conjecture holds for abelian varieties in arbitrary characteristic if the Hodge conjecture holds for complex abelian varieties of CM-type. For abelian varieties with no exotic algebraic classes, we prove the Hodge standard conjecture unconditionally.

MSC:

[14C30](#) Transcendental methods, Hodge theory (algebraic-geometric aspects)
[14K15](#) Arithmetic ground fields for abelian varieties

Cited in **1** Document

Keywords:

[quotient categories](#); [motives over finite fields](#); [abelian varieties](#); [Hodge standard conjecture](#)

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