

# Compactification of moduli of abelian varieties

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Abstract:

The moduli space of abelian varieties is compactified geometrically by adding certain GIT-stable degenerate abelian varieties, which is similar to the Deligne-Mumford compactification of the moduli space of nonsingular curves of genus  $g$  by stable curves. We report on some relevant complete moduli spaces of degenerate abelian varieties and the connections between the moduli spaces.