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**Sinnou David\***, Department of Mathematics. *Heights for subvarieties of abelian varieties.*

We will report on latest advances towards proving optimal lower bounds for the height of subvarieties of abelian varieties. In particular, we will stress on results obtained by Galateau who has obtained almost best possible results for abelian varieties for which there is a positive density of ordinary primes (which is conjecturally always true). (Received March 19, 2008)