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Abelian varieties and Minkowski-Hlawka theorem

A classical theorem of Minkowski and Hlawka states that there exists a lattice in \mathbb{R}^n with packing density at least 2^{1-n} . Buser and Sarnak proved the analogue of this result in the context of complex abelian varieties. Here we give an improvement of this analogue; this shows a conjecture of Muetzel.