

JEFFREY LIN THUNDER, Northern Illinois University, USA  
*Asymptotic estimates for some Diophantine inequalities*

We estimate the number of integer solutions to inequalities of the form  $|F(x)| \leq m$ , where  $F(X)$  is a homogeneous polynomial with integer coefficients which factors completely over the complex field as a product of linear forms. We give asymptotic estimates as the parameter  $m \rightarrow \infty$  which have a good dependency on  $F$ .