*Reducible polynomials of bounded height*

Abstract. We obtain an asymptotic formula for the number of reducible  
integer polynomials of degree $d$ and of height at most $T$ as $T \to \infty$.  
For each $d \geq 3$ the main term turns out to be of the form $c\_d T^d$,  
where the constant $c\_d$ is given in terms of some infinite Dirichlet series  
involving volumes of symmetric convex bodies in $R^d$. Earlier results in this  
direction were given by van der Waerden (1934), Polya and Szego, Chela (1963),  
Dorge (1965) and Kuba (2009).