# ALGEBRAS WITH POLYNOMIAL IDENTITIES AND EXPONENTIAL GROWTH 

ANTONIO GIAMBRUNO<br>PALERMO, ITALY

I shall survey on some recent results on the growth of the polynomial identities of an algebra. For instance, for any real number $a$ greater than 1, one can construct an algebra whose PI-exponent (determined by the exponential growth of its codimensions) is equal to $a$.

