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**Title:** On the asymptotics of the codimensions of an algebra

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**Abstract:** Let  $A$  be an associative PI-algebra over a field of characteristic zero. Regev conjectured that  $c_n(A)$ ,  $n = 1, 2, \dots$ , the sequence of codimensions of  $A$ , behaves asymptotically as  $Cn^t d^n$ , where  $C, t, d$  are constants,  $d = \exp(A)$  is the PI-exponent of  $A$  and  $t$  is half an integer. This conjecture has been proved in recent years for algebras with 1 by Berele and Regev. Here we present a short survey on the latest results on this conjecture also in the setting of non associative algebras.