

A lower bound for linear forms in two p -adic logarithms

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In this talk I will present a recent result on linear forms in two p -adic logarithms, where we establish an upper bound for the p -adic valuation $v_p(\alpha_1^{b_1} - \alpha_2^{b_2})$, where α_1, α_2 are algebraic numbers and b_1, b_2 are positive rational integers.

In particular, the bound has a dependence on B which relates with the logarithm of b_1 and b_2 .