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The p -adic analytic subgroup theorem and some applications

It is well-known that the Wüstholz' analytic subgroup theorem is one of the most powerful theorems in transcendence theory. The theorem gives in a very systematic and conceptual way the transcendence of a large class of complex numbers, e.g. Lindemann's theorem easily follows from it. In this talk we revisit the p -adic analogue of the analytic subgroup theorem, we give a sketch of its proof and present some applications which can be deduced from it.