

Number Theory Seminar

On the decimal expansion of algebraic numbers

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ABSTRACT: It is generally believed that each block of n digits among $0, 1, \dots, 9$ occurs infinitely often, and even with the same frequency $1/10^n$, in the decimal expansion of every irrational algebraic number. This conjecture is far from being proved. In particular, it is still unknown whether three different digits occur infinitely often in the decimal expansion of $\sqrt{2}$. In this talk, we will survey recent results towards this conjecture.

Date: Friday, 30.03.2007 at 14.15pm

Place: HWZ (HG G43)

G. Wüstholtz