Number Theory Seminar

Polynomial-exponential equations and the Subspace Theorem

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ABSTRACT: The study of Diophantine equations where linear recurrences are involved has a long history, as e.g. the problem of finding perfect powers in the Fibonacci sequence shows. In 1998 a new development was started by P. Corvaja and U. Zannier using tools from Diophantine approximation, namely the Subspace Theorem. In this talk a survey of these developments is given with an emphasize on the results where the speaker was involved.

Date: Friday, 03.11.2006 at 14.15pm

Place: HWZ (HG G43)

G. Wüstholz