

Eidgenössische Technische Hochschule Zürich Swiss Federal Institute of Technology Zurich **Departement Mathematik**

Rämistrasse 101 8092 Zürich

http://www.math.ethz.ch/arithmetik+geometrie/seminars

Number Theory Seminar

Polynomial-exponential equations and the Subspace Theorem

DR. CLEMENS FUCHS

(ETH Zürich)

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