



**KURT GÖDEL RESEARCH CENTER FOR
MATHEMATICAL LOGIC**

UNIVERSITÄT WIEN

1090 WIEN, WÄHRINGER STRASSE 25

O.UNIV.-PROF. DR. SY-DAVID FRIEDMAN



INVITATION

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SOME PROPERTIES OF COHEN AND RANDOM REALS

Abstract:

We discuss some properties of Cohen and random reals. We prove a general combinatorial fact about them which in particular implies that they are large, they contain arbitrary large arithmetical or geometrical progressions, satisfy the Hindman's conclusion and so on. We also show that they are wild in the sense of o-minimal theory. We also investigate how badly approximable are they by algebraic numbers.

This is a work in progress with Will Brian.

THURSDAY, OCTOBER 5, 2017

Tea at 3:30pm in the KGRC meeting room (room 104)

Talk at 4:00pm in the KGRC lecture room (room 101)

GÖDEL RESEARCH CENTER

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o.Univ.-Prof. Dr. Sy-David Friedman