KURT GÖDEL RESEARCH CENTER FOR MATHEMATICAL LOGIC

UNIVERSITÄT WIEN

1090 WIEN, WÄHRINGER STRASSE 25

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

INVITATION

MORITZ MÜLLER
(KGRC)

ON THE RELATIVE STRENGTH OF FINITARY COMBINATORIAL PRINCIPLES

Abstract:

Define a finitary combinatorial principle to be a first-order sentence which is valid in the finite but falsifiable in the infinite. We aim to compare the strength of such principles over a weak arithmetic. We distinguish "weak" and "strong" principles based on their behaviour with respect to finite structures that are only partially defined. The talk sketches a forcing proof of a theorem stating that over relativized T_2^1 "weak" principles do not imply "strong" ones.

THURSDAY, DECEMBER 14, 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
JOSEPHINUM, 1090 WIEN, WÄHRINGER STRASSE 25

http://www.logic.univie.ac.at/Research_seminar.html

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