UNIV.-PROF. DI.DR. FRANZ WINKLER

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Computeralgebra (326.010 & 326.031)
Wintersemester 2014/2015
Prof. Dr. Franz Winkler
Dr. Günter Landsmann

Time exercises: Tue 15:30 – 16:15
Time lecture: Tue 16:30 – 18:00
Place: HS 13
first lecture: October 7

<u>Lecture:</u> A theoretical and practical introduction into the area of computer algebra will be presented. In particular, we deal with the constructive symbolic solution of systems of algebraic (i.e. polynomial) equations, and with factorization of polynomials.

The course will follow the appropriate chapters in

F. Winkler: *Polynomial Algorithms in Computer Algebra*,
Springer-Verlag Wien New York, 1996 (ISBN 3-211-82759-5)

Participants are expected to be acquainted with the basic notions in algebra and algorithm theory.

<u>Exercises:</u> The exercise part consists of homework exercices and a project.

Webpage: `www.risc.uni-linz.ac.at/education/courses/ws2014/ca`