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K-Theory, Quadratic Forms and Number Theory Seminar

Professor Frits Beukers (Universiteit Utrecht)

will speak on

Algebraic hypergeometric functions

Wed 23rd April 2008 at 5:00PM

Location: Mathematical Sciences Seminar Room

Hypergeometric functions (in one and several variables) are classical functions which occur at many places in mathematics and mathematical physics. We shall be interested in hypergeometric functions which are at the same time algebraic in their arguments. This subject started in 1873 with the work of H. A. Schwarz. In this lecture we discuss a number of examples, introduce a general class of several variable hypergeometric functions, the so-called GKZ-functions, and describe a combinatorial criterion for their algebraicity.

Please note the time.

This talk is part of the K-Theory, Quadratic Forms and Number Theory series. For more, see https://maths.ucd.ie/seminars