

Hypergeometric motives and Diophantine equations

Ariel Pacetti

University of Aveiro

The goal of the presentation is to explain how rank 2 hypergeometric motives can be used in Darmon's program to study solutions of the generalized Fermat equation. We will start giving a friendly introduction to rank 2 hypergeometric motives, and state their main properties, including some questions that still need to be answered. In the second part of the talk we will explain how hypergeometric motives can be used to study solutions of the generalized Fermat equation.

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