



Contribution ID: 1

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Polylogarithms, K-theory, and motives I

Monday 9 June 2025 09:00 (50 minutes)

In this mini-course I will try and paint a general landscape where polylogarithms interact with algebraic K-theory via the formalism of motives. The goal will be to explain the idea behind Goncharov's program, which aims at computing the rational K-theory of fields via explicit complexes involving formal versions of multiple polylogarithms. The emphasis will be put on concrete computations with « low-dimensional » objects such as Li_2 and K_3 .

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