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Introductory Lecture 2: Differential Equations and Iterated Integrals

Monday 5 June 2023 12:00 (1 hour)

We introduce differential equations that Feynman integrals satisfy and discuss how and when they can be formally solved through iterated integrals. We discuss general properties of iterated integrals and their relation to the known classes of functions.

Finally, we showcase how elliptic periods appear as solutions of the homogenous differential equations.

Presenter: SCHÖNWALD, Kay (University of Zuerich)