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Computational Algebraic Geometry for Feynman Integrals and their Singularities

mercredi 27 mars 2024 16:30 (1 heure)

Feynman integrals play a central role in particle physics in the theory of scattering amplitudes. In this talk, I will show some examples of how the interplay between algebro-geometric methods and fundamental physics problems leads to advances in both disciplines. In particular, I will discuss vector spaces associated with a family of generalized Euler integrals and the study of their singular locus.

Orateur: FEVOLA, Claudia (INRIA Saclay)