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Intersection Theory and Relative Cohomology for Feynman Integrals

Monday 10 November 2025 11:40 (30 minutes)

In this talk, I will briefly review the application of intersection theory to Feynman integrals, covering both the non-relative case and the introduction of relative cohomology. Furthermore, relative cohomology allows the framework of intersection theory to be extended from the traditional Baikov representation to the Lee–Pomeransky representation and possibly beyond. The advantages and limitations of this approach will be discussed, together with illustrative examples.

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