

# Generalized hypergeometric functions and intersection theory for Feynman integrals

*Friday, September 13, 2019 9:00 AM (25 minutes)*

Feynman integrals that have been evaluated in dimensional regularization can be written in terms of generalized hypergeometric functions. It is well known that properties of these functions are revealed in the framework of intersection theory. We propose further applications of intersection theory in the case of functions associated to positive geometries, in particular to construct a mathematical coaction, which has played an important role in recent progress in physical calculations.

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