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## **Spelling Polygons**

Wednesday 28 September 2022 15:00 (20 minutes)

An important part of information in evaluating Feynman integrals is the symbol letters (or alphabet) of the integral. This information makes it possible to write the integral as an ansatz of multiple polylogaritms with the letters as arguments. Moreover, the zeros of the letters correspond to the dynamical (Landau) singularities of the integral. In this work we are calculating the dynamical singularities using methods from the realm of generalized hypergeometry and calculate the symbol by factorizing these singularities. The focus will be on one-loop Feynman integrals, but this is mostly a restriction of convenience.

## Summary

Primary author: TELLANDER, FelixPresenter: TELLANDER, FelixSession Classification: Parallel Session Strings

Track Classification: Strings & Mathematical Physics