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Basso-Dixon diagrams

We present a basis of eigenvectors for the graph building operators of planar fishnet Feynman integrals in d -dimensions. The eigenvectors are constructed with a set of creation/annihilation operators that satisfy the corresponding Zamolodchikovs-Faddeev algebra.

The spectral decomposition of a fishnet integral we achieved can be applied to the computation of Basso-Dixon integrals in higher dimensions.

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