

Thimbles and resummation to networks

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I will discuss how parametric resurgence recovers many of the basic properties of networks and some examples that arise from q -hypergeometric functions, which play an important role in Chern-Simons theory and open topological strings. I will explain how to construct these networks from some basic building blocks coming from the Faddeev quantum dilogarithm and the geometry of thimbles in an appropriate homology theory. This is based on joint work with Andersen-Fantini-Kontsevich.

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