

Learning Seminar - Differential forms on tropical moduli spaces

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The goal is to understand Francis Brown's recent arXiv preprint [Invariant differential forms on complexes of graphs and Feynman integrals](#). A sub-goal, which we hope takes shape over the course of the seminar, is to draw out the connection between Brown's article and tropical moduli spaces of curves and abelian varieties.

This is not an introductory seminar per se in that the choice of topic is of specialized interest and of particular interest to us vis-a-vis our current work. On the other hand, we will try to develop the machinery without relying on background from tropical geometry, much as Brown's article is able to do. Resources to get started:

1. Sam's lectures from the [Introductory Workshop](#), available from the webpage
2. [Draft of a survey article](#) on classical/tropical moduli spaces by Melody, which outlines the appearance of graph complexes in the study of tropical moduli.