

The stratification of the moduli space of spin curves

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In the last few years, the problem of describing the tropicalization of moduli spaces asked for a deeper understanding of combinatorial aspects of moduli spaces and in particular of their stratifications. In a recent paper in collaboration with Lucia Caporaso and Margarida Melo, we study the tropicalization of Cornalba's moduli space of spin curves. In this talk we will describe the stratification needed to tropicalize this space. We will discuss some applications both in algebraic and tropical geometry.

References

- [1] L. CAPORASO, M. MELO, AND M. PACINI, *Tropicalizing the moduli space of spin curves*, arXiv:1902.07803