Periods of moduli spaces $\overline{\mathcal{M}}_{0,n}$ and multiple zeta values

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Abstract

I will outline the main ideas of a proof of the conjecture, due to Goncharov and Manin, which states that the relative periods of the moduli space of Riemann spheres with n marked points $\mathcal{M}_{0,n}$, are expressible in terms of multiple zeta values.