



Contribution ID: 2

Type: **not specified**

Summability for state integrals of hyperbolic knots

Monday 13 January 2025 11:00 (1 hour)

Given a hyperbolic knot K , state integrals are convergent integrals of products of Faddeev's quantum dilogarithm associated with certain triangulations of $S^3 \setminus K$. Their asymptotic expansions are divergent power series conjectured to be resurgent and Borel summable by Garoufalidis, Gu and Mariño. In this talk, I will prove this conjecture for the knots 4_1 and 5_2 . This is based on a joint project with C. Wheeler, arXiv:2410.20973

Presenter: FANTINI, Veronica