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Research Talk (online): Resurgence and quantum modularity

vendredi 9 juin 2023 16:45 (1 heure)

Improved analytic properties of solutions to certain q-difference equations have given the ability to compute conjectural formulae for Stokes constants of associated asymptotic series. This was first explored for some invariants associated to simple knots by Garoufalidis-Gu-Mariño. I will explore examples from the perspective of quantum modular forms involving work of the previous authors and additionally work of Kashaev and Zagier.

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