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## Affine Gaudin Bethe Ansatz and the ODE/IM correspondence

Monday, June 3, 2024 11:00 AM (50 minutes)

We consider the monodromy-free opers corresponding to solutions of the Affine Gaudin Bethe Ansatz equations.

We define and study the spectral determinants (called Q functions) for these opers. We conjecture that the Q-functions obtained from the Affine Gaudin Bethe Ansatz coincide with the Q-functions of the Bazhanov-Lukyanov-Zamolodchikov opers with the monster potential, which are related to the quantum KdV flows according to the ODE/IM correspondence. We give supporting evidence for this conjecture.

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