

Completing the Bootstrap Program for $T\bar{T}$ -Deformed Massive Integrable Quantum Field Theories

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Abstract

I will summarise some of the results obtained in two recent papers (with O. Castro-Alvaredo and S. Negro) where we developed a form factor program for $T\bar{T}$ -perturbed integrable quantum field theories. In particular, I will show how useful information about the physics behind this particular kind of deformation can be extracted from the form factor expansion of correlation functions. This allows us to establish connections with previous results obtained through other standard integrability techniques such as thermodynamic Bethe ansatz and the theory of generalised hydrodynamics.