Whispers from the Dark Universe - Particles & Fields in the Gravitational Wave Era



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Lining up a Positive Semi-Definite Six-Point Bootstrap

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Recently, we initiated a positive semi-definite numerical bootstrap program for multi-point correlators. Considering six-point functions of operators on a line we reformulated the crossing symmetry equation for a pair of comb-channel expansions as a semi-definite programming problem. Through a combination of analytical and numerical techniques we obtained rigorous bounds on CFT data in the triple-twist channel for several examples.

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