New Perspectives in Conformal Field Theorie and Gravity



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Higher-Point Conformal Blocks From the Oscillator Formalism

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We explore a novel aproach towards the analytical computation of higher-point conformal blocks. The method of interest, which we call oscillator formalism, proves to be very efficient in two dimensions. In particular, the known result for the general n-point block in the comb channel can be rederived in a straight-forward manner. But also torus conformal blocks can be obtaind from this method. Moreover, we discuss generalizations for CFTs in higher dimensions.

Summary

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