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Asymptotic Freedom versus Planar Duality in Gauge and String Theories

Friday, 20 May 2016 12:10 (20 minutes)

For large-N confining asymptotically-free gauge theories with no perturbative mass scale we investigate the compatibility between the asymptotic freedom of the S-matrix and the planar duality of disk amplitudes of their would-be string solutions.
Several implications for any would-be string solution of large-N QCD with massless quarks follow.

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