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On the Mirror TBA

Tuesday, June 29, 2010 3:30 PM (1 hour)

I will discuss some subtleties of the Thermodynamic Bethe Ansatz for the $AdS_5 \times S^5$ mirror model concerning the construction of excited states and their analytic properties. I will then use the TBA equations to derive the five-loop anomalous dimension of the Konishi operator and argue that the corresponding result agrees with the one obtained via the generalized Luscher formulae.

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