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## Form factor approach to correlation functions in massless quantum integrable models

*Tuesday, September 16, 2014 12:00 PM (30 minutes)*

We study the asymptotic behaviour of the dynamical correlation functions of massless quantum integrable models. We develop an approach based on the summation of the appropriate (critical) form factors. We show that this approach gives rise to a number of new hypergeometric identities. These identities lead to the leading terms of the asymptotics for the two-point and multi-point correlation functions as well as to the analysis of the edge behaviour of the dynamical structure factors.

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