

Contribution Title:	4-POINT CORRELATION FUNCTIONS IN 2 DIM N=1 SCFT
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Invited speaker:	
YRS seminar:	YES

In two dimensional CFT any 4-point correlation function reduces to the 3-point coupling constants and the conformal blocks. The latter are universal functions completely determined by the symmetry, nevertheless their general form is not known. There are however recursive methods of an approximate, analytic determination of the conformal blocks proposed by Al. Zamolodchikov. I would like to discuss the ideas crucial to the derivation of the recursive relations for the conformal blocks and show how to suitably generalize them in the supersymmetric case. I will present the recurrence relations for the superconformal blocks corresponding to the correlation functions of Neveu-Schwarz fields and Ramond fields.