Séminaire de physique mathématique

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Lundi 23/09/2019, 11h00-12h00

Orme des Merisiers Salle Claude Itzykson, Bât. 774

The non-rational limit of D-series minimal models

Sylvain Ribault

IPhT

We study the limit of D-series minimal models when the central charge tends to an irrational value $c \leq 1$. We find that the limit theory's diagonal three-point structure constant differs from that of Liouville theory by a distribution factor, which is given by a divergent Verlinde formula. Nevertheless, in the limit theory, correlation functions that involve both non-diagonal and diagonal fields are smooth functions of the fields' conformal dimensions. The limit theory is a non-trivial example of a non-diagonal, non-rational, solved two-dimensional conformal field theory.