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ON NORMAL FORM OF BETA-FUNCTION OF 2D SIGMA-MODELS

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Abstract

We study regularization scheme dependence of beta-functions for sigma-models with two-dimensional target space. Working within four-loop approximation, we conjecture the scheme in which the beta-function retains only two tensorial structures. Using this scheme, we provide explicit solutions to RG flow equation corresponding to eta- and lambda-deformed $SU(2)/U(1)$ sigma-models.

Date : Thursday, October 21, 2021

Time: 18:00

Place: IMBM Seminar Room, Bogazici University South Campus