

# Seminar

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## Poisson-sigma model for two-dimensional gravity with non-metricity

Friday, August 17, 2007

at 11:00

ESI Schrödinger Lecture Hall

**Abstract:** We present a Poisson-sigma model describing general 2D dilaton gravity with non-metricity, torsion and curvature. It involves three arbitrary functions of the dilaton field, two of which are well-known from metric compatible theories, while the third one characterizes the local strength of non-metricity. As an example we show that alpha' corrections in 2D string theory can generate (target space) non-metricity.

H. Bursztyn, H. Grosse, T. Strobl

August 9, 2007