universität
wien

EINLADUNG

im Rahmen des Seminars für Mathematische Physik

zum Vortrag

von

Athanasios Chatzistavrakidis

(Rudjer-Boskovic-Institute Zagreb)

über

„Double Field Theory and Membrane Sigma Models"

Abstract:

Double Field Theory (DFT) promotes the T-duality for closed strings to a manifest symmetry and it can describe the generalised geometries that a closed string may experience. In this talk, we discuss the world volume theory and the geometry that corresponds to the DFT structure. Utilizing the one-to-one correspondence between Courant algebroids and a class of Membrane Sigma Models (MSMs), we construct the MSM for DFT as a projection of a Courant sigma model over a doubled space. This model contains all types of geometric and non-geometric fluxes as generalised Wess-Zumino terms and its gauge structure gives rise to the DFT Bianchi identities and the DFT strong constraint. Moreover, this offers a geometric description of DFT as a structure that lies in between two Courant algebroids over different bases.

Zeit: Dienstag**,** 21.11.2017, **14:00**

ACHTUNG: Ort: TU Wien, Freihaus, SEM 136**,** 10. Stock,
           Wiedner Hauptstr. 8-10, 1040 Wien

gez.: S. Fredenhagen, D. Grumiller