

Seminar

Prof. Urs Schreiber

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String and Chern-Simons Lie 3-Algebras

Tuesday, August 14, 2007

at 09:30

ESI Schrödinger Lecture Hall

Abstract: For every transgressive Lie algebra $2n+1$ cocycle there is a short exact sequence of Lie $2n+1$ -algebras. For the canonical 3-cocycle on a semisimple Lie algebra this leads to the String Lie 2-algebra and the Chern-Simons Lie 3-algebra. 3-Connections with values in these are related to String-bundles with connection.

H. Bursztyn, H. Grosse, T. Strobl

August 9, 2007