

Séminaire de physique mathématique

Lundi 24/04/2017, 11h00

Orme des Merisiers Salle Claude Itzykson, Bât. 774

Complex structures and zero-curvature equations for sigma-models

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I will construct zero-curvature representations for the equations of motion of a class of sigma-models with complex homogeneous target spaces, not necessarily symmetric. I will also describe a deformation of the principal chiral model (with an even-dimensional target space G) by a B-field proportional to the Kähler form on the target space. The equations of motion of the deformed model admit a zero-curvature representation as well.
