

SEMPARIS – Séminaires en région parisienne

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Séminaire de physique mathématique

Lundi 24 Avril 2017, 11 :00

IPHT, Salle Claude Itzykson, Bât. 774

Domaines : math-ph

Titre : *Complex structures and zero-curvature equations for sigma-models*

Orateur : **Dmitry Bikov (IHES)**

Résumé : *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.*
