Séminaire de géométrie algébrique de Rennes[1]

Exposé du jeudi 13 octobre 2011

FACTORIZATION OF LINE BUNDLES ON THE MODULI SPACE OF CURVES.

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Résumé : In this talk I will describe joint work with M. Bolognesi in which we introduce a notion of lines bundles on the moduli space of curves that have prescribed combinatorial behavior upon restriction to the boundary divisors. This is a generalization of, and method for encoding, the behavior witnessed by vector bundles on the moduli space of curves coming from conformal field theory. As an example, I will explain how lines bundles coming from certain GIT quotients also exhibit this behavior and moreover that this combinatorial framework can be used to reprove a theorem of myself and A. Gibney that a certain class of conformal blocks line bundles induce maps to GIT quotients parameterizing configurations of points on flat limits of Veronese curves.

[1]Les jeudis matin, de 10 h 30 à 11 h 30, salle 004, IRMAR (bâtiment 22), Université de Rennes 1, Campus de Beaulieu