Symmetries, integrability and module of logarithmic vector fields

Jacky Cresson and Jordy Palafox

SUMMARY

The aim of this article is to describe connexions between some dynamical properties of the module of logarithmic vector elds associated to an algebraic variety and their geometrical meaning. In particular, we obtain relations between integrability of logarithmic vector elds, freeness and invariance of the algebraic variety under a symmetry group.

Keywords: Symmetries, integrability, logarithmic vector fields

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[1]IPRA, Université de Pau et des Pays de l'Adour
 email: `jordy.palafox@univ-pau.fr, jacky.cresson@univ-pau.fr`