

ATELIER
« ALGÈBRES DE HALL ET AMASSÉES »
08-12 MAI 2014

WORKSHOP
“HALL AND CLUSTER ALGEBRAS”
MAY 08–12, 2014

Parametrization of generic bases

Pierre-Guy Plamondon^{*}

pierre-guy.plamondon@math.u-psud.fr

WEB: www.math.u-psud.fr/~plamondon/

Cluster categories and cluster characters provide us with a nice approach to study cluster algebras. Certain "generic" values taken by cluster characters can, in some cases, form a nice basis : the generic basis of Geiss, Leclerc and Schröer. In this talk, after reviewing the additive categorification of cluster algebras, we will give properties of generic cluster characters and see how they provide a parametrization of the generic basis.

^{*}Laboratoire de mathématique, Université de Paris Sud XI, UMR 8628 du CRNS, 91405 Orsay Cedex, FRANCE.