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Daniel Labardini-Fragoso* (labardini@matem.unam.mx), Instituto de Matemáticas,
Universidad Nacional Autónoma de México, Mexico. *Linear independence of generic functions in
cluster algebras coming from surfaces*. Preliminary report.

This is a report on joint work with Christof Geiss and Jan Schröer.

There have been several attempts to define 'natural' bases for various classes of skew-symmetric cluster algebras. One of such attempts was made by Geiss-Leclerc-Schröer, who proposed a candidate that they called 'generic basis'. Despite its name, it has not been shown in general that the generic basis is indeed a basis of the corresponding cluster algebra. In this talk I will sketch a proof of the linear independence of Geiss-Leclerc-Schröer's 'generic basis' for (coefficient-free) cluster algebras arising from surfaces with marked points. (Received September 16, 2014)