

1038-05-176

**Sergey Fomin\*** (fomin@umich.edu), **Michael Z. Shapiro** and **Dylan P. Thurston**. *Cluster algebras associated with bordered surfaces*. Preliminary report.

Coordinatizations of decorated Teichmüller spaces, introduced by R. Penner, naturally produce a class of cluster algebras associated with bordered Riemann surfaces with marked points. I will report on an ongoing project dedicated to the study of these cluster algebras. (Received February 07, 2008)