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)