

1047-05-412

**Gregg Musiker, Ralf Schiffler and Lauren Williams\*** (lauren@math.harvard.edu),  
Department of Mathematics, 1 Oxford Street, Cambridge, MA 02138. *Positivity results for cluster algebras.*

We give combinatorial formulas for cluster variables for cluster algebras coming from various surfaces, as well as some cluster algebras obtained by "folding." In particular, this proves the positivity conjecture of Fomin and Zelevinsky for cluster algebras of classical types. (Received February 02, 2009)