

1086-05-1826 **In-Jee Jeong** (in-jee_jeong@brown.edu) and **Gregg Musiker*** (musiker@math.umn.edu),
Minneapolis, MN , and **Sicong Zhang** (sz2319@columbia.edu). *Brane Tilings and Cluster
Algebras*. Preliminary report.

We discuss several results from enumerative combinatorics that are inspired by cluster algebras and brane tilings, from string theory. This is based on work from the 2011 and 2012 REU's in Combinatorics at University of Minnesota. (Received September 24, 2012)