

1086-14-1060 **Mark Gross*** (mgross@math.ucsd.edu). *Tropical geometry and cluster algebras*. Preliminary report.

I will give a preliminary report on research currently being conducted with Paul Hacking, Sean Keel, Maxim Kontsevich and others concerning applications of mirror symmetry and tropical geometry to cluster algebras. In particular, we use tropical means to construct canonical bases for cluster algebras. (Received September 18, 2012)