Classification of Galaxies in the Clowes-Campusano Large Quasar Group DRAKE RANQUIST, Brigham Young University, LUTZ HABERZETTL, The University of Louisville — The large-scale structure of galaxy clusters gives us greater understanding about the formation and evolution of galaxies. One such structure is found within the Clowes- Campusano Large Quasar Group (LQG). This LQG has two sheet-like clusters of galaxies at $z \sim 0.8$ and $z \sim 1.3$. We identify and classify the galaxies in these regions by using color selection techniques. This allows us to differentiate between the star forming galaxies, the Lyman break galaxies and the redder, more evolved galaxies. By doing so, the environmental parameters within the LQGs will facilitate more accurate models of galaxy and quasar formation.

Drake Ranquist
Brigham Young University

Date submitted: 16 Sep 2011

Electronic form version 1.4