1096-54-510 **Hatim Boustique*** (hboustique@valenciacollege.edu), 701 N Econlockhatchee Trail, Orlando, FL 32825, **Bernd Losert** (berndlosert@gmail.com), 4000 Central Florida Blvd., Orlando, FL 32816, and **Gary Richardson** (gary.richardson@ucf.edu), 4000 Central Florida Blvd., Orlando, FL. *Convergence Space Actions.* Preliminary report.

Suppose that a convergence monoid S acts continuously on a convergence space X. It is shown that if Y is any strict regular compactification of X, then there exists an associated Cauchy structure on X such that the action of S on X can be continuously extended to Y iff the action of S on X is Cauchy continuous. Moreover, continuous actions on convergence ordered spaces are studied. In this case, the action is required to be order preserving. Continuously extending the action to an order preserving action on a compactification is investigated. (Received September 05, 2013)