

1046-06-1071 **Homeira Pajooresh*** (hpajooresh@mec.cuny.edu). *A topology on lattice ordered groups*. Preliminary report.

Here we introduce a topology on an abelian lattice ordered group G by using the absolute value of the difference of two elements as a metric valued in an abelian lattice ordered group and using the set of weak units of G as the set of radii. In the case of powers of the real numbers, this topology is the Euclidean topology. (Received September 14, 2008)