

1077-54-165

Arthur D. Grainger* (arthur.grainger@morgan.edu), Department of Mathematics, Carnegie Hall, Room CR-152, 1700 East Cold Spring Lane, Baltimore, MD 21251. *Homeomorphisms of Compact Sets in Certain Hausdorff Spaces.*

In this paper, we construct a class of Hausdorff spaces (compact and non compact) with the property that non empty compact subsets of these spaces that have the same cardinality are homeomorphic. Also, it is shown that these spaces contain compact subsets that are infinite. (Received August 04, 2011)