1096-54-2711 **F H Sturm*** (fhs0001@auburn.edu), Dept. of Mathematics and Statistics, 221 Parker Hall, Auburn, AL 36849. *Homogeneity properties of continua.*

A continuum is a compact connected metric space. A topological space X is said to be homogeneous if for each $x, y \in X$ there is a homeomorphism $h : X \to X$ such that $h(x) = y$. Alternatively, a topological space is said to be homogeneous if it has one orbit under the homeomorphism group.

In this talk, the author will give a brief overview of historical motivations for the study of homogeneity of planar continua, with a focus on pathological continua such as the pseudo-arc. Several generalizations of homogeneity for continua will be introduced (e.g. open homogeneity, continuous homogeneity, and $\frac{1}{n}$-homogeneity), and the author will detail results of his own in addition to results with co-authors. (Received September 18, 2013)