

Speaker: Curt Kent

Title: Fundamental groups of planar continua

Abstract: We will discuss fundamental groups of planar and one-dimensional Peano continua. Specifically we will show that they admit a natural metric topology which respects the topology of the original space. While this metric cannot be complete, its completion does not depend on the original continua. As well we will present several theorems that illustrate how the fundamental group determines the homotopy type for planar and one-dimensional continua.