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Thanittha Kowan* (tk14b@my.fsu.edu). *Classification on Planar Polygonal Complexes*. Preliminary report.

This presentation describes the metric space of isomorphism classes of rooted planar polygonal complexes and its properties. The metric space can be separated into either hyperbolic subspace or parabolic subspace by considering extremal length on planar polygonal complexes. The hyperbolic space is a union of countably many nowhere dense subsets forming the first category subset in the metric space, while the parabolic space is of the second category subset. We will discuss the interesting properties of subsets including Cantor subsets on the metric space. (Received August 27, 2019)