

1156-52-362

Abigail Williams* (ab.williams@northeastern.edu). *Uniform Polyhedra with Planar and Nonplanar Faces*. Preliminary report.

In this talk, we will discuss a method for generating uniform polyhedra with nonplanar faces. The generated polyhedra have regular polygons as faces and are vertex transitive under a symmetry group of a regular polyhedron. We consider polygons as connected edge sets which may be planar or nonplanar. In the nonplanar case, regularity is derived from the polygon's relationship with a prism or antiprism. (Received January 27, 2020)