

1106-52-1508 **Egon Schulte*** (schulte@neu.edu), Northeastern University, Department of Mathematics,
Boston, MA 02115. *Polygonal Complexes and Nets*.

Polygonal complexes in space are discrete polyhedron-like structures with finite or infinite polygons as faces, allowed to be planar, skew, zig-zag, or helical, and with finite graphs as vertex-figures. The edge graphs of periodic polygonal complexes are periodic nets in the sense of crystallography. We discuss classification results for polygonal complexes with distinguished symmetry properties. (Received September 13, 2014)