1073-57-182 **Kenneth C Millett***, Department of Mathematics, University of California, Santa Barbara, Santa Barbara, CA 93106. *Geometric and Topological Properties of Open and Close Polygons*. Preliminary report.

Properties of open and closed polygons, depending on geometry, based on rigorous proofs and numerical models will be discussed. These include the presence and scale of knots and slipknots, a focus of this talk. (Received August 01, 2011)