1078-57-183   **Kenneth C Millett*** (`millett@math.ucsb.edu`), Department of Mathematics, UCSB, Santa
                   Barbara, CA 93106. *Some Geometric and Topological Properties of Open Polygonal Chains.*

Properties of open polygonal chains that depend upon geometry or topology and that are based on either rigorous proofs or numerical studies will be discussed. These include the presence and scale of entanglements such as knots and slipknots. (Received December 06, 2011)