1161-57-229    **Uta Ziegler\*** (`uta.ziegler@wku.edu`), 1906 College Heights Blvd, School of Engineering and Applied Sciences, Bowling Green, KY 42101. *Topological and geometric measures of knots in extreme confinement.*

Nearly-equilateral polygons are generated under extreme confinement. The knot types and some geometric quantities are computed for each polygon. The objective of this investigation is to compare these topological and geometric measures from these extremely confined polygons with previously reported measures of equilateral polygons in more moderate confinement. This work is in collaboration with Claus Ernst, Eric Rawdon, and Yuanan Diao. (Received August 17, 2020)