

Maximal Products of Polygonal Sides: Another Short Note

Michael W. Ecker, *Pennsylvania State University, Wilkes–Barre Campus* (retired)

In an extension to a previous article on the products of side lengths in regular n -gons, this article examines whether there is a maximum value or a minimum value of the products of side lengths. There is a maximum value, achieved for an equilateral triangle, $n = 3$, but as it turns out, there is no minimal value.

Keywords: regular n -gons, polygons, trigonometry, geometry



Michael W. Ecker received his PhD in mathematics from the City University of New York in 1978. Before retiring in 2016, he had a 45-year career as a mathematics professor, the last 30 at Pennsylvania State University's Wilkes–Barre campus. Published regularly in different venues, he served on national committees responsible for creating competitive national exams. For 21 years, he also labored over his own newsletter, *Recreational & Educational Computing*, featuring the interplay of mathematics, computers, and recreations. Besides owning a whopping 140 computers, he is the author of 500 publications. Mike is also the Problem Section Editor of this journal.