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Max Glick* (glick.107@osu.edu). *The limit point of the pentagram map.*

The pentagram map is a discrete dynamical system defined on the space of polygons in the plane. In the first paper on the subject, R. Schwartz proved that the pentagram map produces from each convex polygon a sequence of successively smaller polygons that converge exponentially to a point. We investigate this limit point itself, giving an explicit description of its Cartesian coordinates as roots of certain degree 3 polynomials. (Received February 06, 2018)