

Zbl 091.35402

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Über die Annäherung geschlossener, konvexer Kurven.

On the approach of closed convex curves (In Hungarian. RU, German summary)

Mat. Lapok 9, 19-36 (1958). [0025-519X]

The first part is an exposition of well known elementary facts on convex curves in the plane. Tschirnhaus curves (defined by $\sum \overline{PP_i} = c$. Distance of two domains (or their boundary curves): the smallest r , such that the parallel domain at distance r of each domain contains the other one. The following theorem is new. An equilateral triangle is not the limit of Tschirnhaus curves. It is also remarked that there exists a convex curve containing a line segment which is the limit of Tschirnhaus curves. Uniqueness of an ellipse (domain) containing a given convex domain at minimal distance is proved.

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Classification:

52-99 Convex and discrete geometry