Füredi, Zoltán; Wetzel, John E.
Covers for closed curves of length two. (English) [Zbl 1265.52020]

The family $C$ of closed plane curves of length two is considered. Let $\alpha_2$ be the least area of a convex set which contains a congruent copy of every curve of $C$. The authors improve the old bounds for $\alpha_2$ showing that $0.386778 < \alpha_2 < 0.448504$.

Reviewer: Ágota Temesvári (Pécs)

MSC:
52C15 Packing and covering in 2 dimensions (aspects of discrete geometry)

Keywords:
convex covers; worm problem

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