

> math > arXiv:2411.19826

Search...

All fields

Search

Help | Advanced Search

Mathematics > Metric Geometry

[Submitted on 29 Nov 2024]

Optimality of Gerver's Sofa

Jineon Baek

We resolve the moving sofa problem by showing that Gerver's construction with 18 curve sections attains the maximum area $2.2195\dots$.

Comments: 119 pages, 21 figures
Subjects: **Metric Geometry (math.MG)**; Combinatorics (math.CO); Optimization and Control (math.OC)
MSC: 49Q10, 49K15, 52A10, 52A41, 90C26
classes:
Cite as: arXiv:2411.19826 [math.MG]
(or arXiv:2411.19826v1 [math.MG] for this version)
<https://doi.org/10.48550/arXiv.2411.19826> ⓘ

Submission history

From: Jineon Baek [view email]
[v1] Fri, 29 Nov 2024 16:37:23 UTC (3,039 KB)

Access Paper:

View PDF
TeX Source
Other Formats
[view license](#)

Current browse context:
math.MG
< prev | next >
new | recent | 2024-11
Change to browse by:
math
math.CO
math.OC

References & Citations

NASA ADS
Google Scholar
Semantic Scholar

Export BibTeX Citation

Bookmark



Bibliographic ToolsCode, Data, MediaDemosRelated PapersAbout arXivLabs

Bibliographic and Citation Tools

Bibliographic Explorer (What is the Explorer?)

Connected Papers (What is Connected Papers?)

Litmaps (What is Litmaps?)

scite Smart Citations (What are Smart Citations?)

Which authors of this paper are endorsers? | Disable MathJax (What is MathJax?)

