Mathematics > Combinatorics

Inscribing a regular octahedron into polytopes

Arseniy Akopyan, Roman Karasev

(Submitted on 22 Jul 2011 (v1), last revised 2 Oct 2012 (this version, v3))

We prove that any simple polytope (and some non-simple polytopes) in $\mathbb R^3$ admits an inscribed regular octahedron.

Submission history

From: Arseniy Akopyan [view email]

[v1] Fri, 22 Jul 2011 06:44:29 GMT (335kb)
[v2] Mon, 21 Nov 2011 09:59:38 GMT (335kb)
[v3] Tue, 2 Oct 2012 04:46:09 GMT (337kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.

We gratefully acknowledge support from the Simons Foundation and member institutions

Search or Article-id

(Help | Advanced search)

All papers   Go!

Download:

- PDF
- PostScript
- Other formats

Current browse context:

math.CO

< prev | next >

new | recent | 1107

Change to browse by:

math
    math.MG

References & Citations

- NASA ADS

Bookmark(what is this?)