

Completions of fans

Fred Rohrer

(Submitted on 13 Jul 2011)

In a finite-dimensional real vector space furnished with a rational structure with respect to a subfield of the field of real numbers, every (simplicial) rational semifan is contained in a complete (simplicial) rational semifan. In this paper this result is proved constructively on use of techniques from polyhedral geometry.

Comments: to appear in Journal of Geometry
Subjects: **Geometric Topology (math.GT)**
MSC classes: 52B99 (Primary) 52A21 (Secondary)
Journal reference: J. Geom. 100 (2011), 147-169
Cite as: [arXiv:1107.2483](https://arxiv.org/abs/1107.2483) [math.GT]
(or [arXiv:1107.2483v1](https://arxiv.org/abs/1107.2483v1) [math.GT] for this version)

Submission history

From: Fred Rohrer [[view email](#)]
[v1] Wed, 13 Jul 2011 08:12:14 GMT (21kb)

[Which authors of this paper are endorsers?](#)

Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

Current browse context:

math.GT

[< prev](#) | [next >](#)[new](#) | [recent](#) | [1107](#)

Change to browse by:

[math](#)

References & Citations

- [NASA ADS](#)

Bookmark (what is this?)

Science
WISE