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Acute triangulations of doubly covered convex quadrilaterals. (English) Zbl 1185.52018
Boll. Unione Mat. Ital., Sez. B, Artic. Ric. Mat. (8) 10, No. 3, bis, 933-938 (2007).

A doubly covered convex set is a surface homeomorphic to the sphere consisting of two planar isometric convex sets, with boundaries glued in accordance with the isometry. In this paper it is shown that every doubly covered convex quadrilateral can be triangulated by at most 20 triangles having all their angles less than $\pi/2$.

Reviewer: [Mihai Cipu \(București\)](#)

MSC:

[52C20](#) Tilings in 2 dimensions (aspects of discrete geometry)

Cited in **3** Documents

Keywords:

triangulation; acute triangle; doubly covered convex quadrilateral