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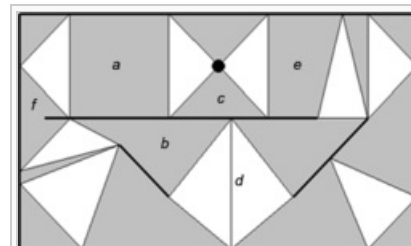
Quasi-triangulation

From Wikipedia, the free encyclopedia
(Redirected from [Quasitriangulation](#))

A **quasi-triangulation** is a subdivision of a geometric object into simplices, where vertices are not points but arbitrary sloped line segments.^[1] This division is not a [triangulation](#) in the geometric sense. It is a [topological triangulation](#), however. A quasi-triangulation may have some of the characteristics of a [Delaunay triangulation](#).

References [\[edit\]](#)

- ↑ Luzin S.Y., Lyachek Y.T., Petrosyan G.S., Polubasov O.B. (2010). *Models and algorithms for automated design of electronic and computer equipment (in Russian)*. BHV-Petersburg. p. 224. ISBN 978-5-9775-0576-5.



Quasi-triangulation. Line segments of the topology (quasi-vertices) are shown in black, gray—quasi-edges, white—faces. a—a convex quadrangular edge, b—a nonconvex quadrangular edge, c—a triangular edge, d—a degenerate edge, a and e—parallel edges, f—a quasi-edge contains a part of the line segment.

Categories: [Triangulation \(geometry\)](#)

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