



Mathematics > Metric Geometry

Triangles on planar Jordan C^1 -curves

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(Submitted on 30 Apr 2012)

We prove that a Jordan C^1 -curve in the plane contains any non-flat triangle up to translation and homothety with positive ratio. This is false if the curve is not C^1 . The proof uses a bit configuration spaces, differential and algebraic topology as well as the Schoenflies theorem.

Comments: 11 pages, 2 figures

Subjects: **Metric Geometry (math.MG)**

MSC classes: 00A55, 51M10, 55N10

Cite as: **arXiv:1205.0231 [math.MG]**

(or **arXiv:1205.0231v1 [math.MG]** for this version)

Submission history

From: Jean-Claude Hausmann [[view email](#)]

[v1] Mon, 30 Apr 2012 11:59:43 GMT (16kb)

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