

Discrete and Algorithmic Geometry

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Some geometrical aspects of control points for toric patches

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CONTENT

This paper talks about Bézier curves and patches. The main purpose of the paper is a generalization of the Birch's theorem, which guarantees injectivity in such curves or patches. As the authors say in the introduction, they use some sections introduce concepts and little results. In fact, a big part of this document is destined to define and explain concepts. On the other hand, the tools used in proofs are basic ones and not seems they use a surprising idea to prove their results.

FORMAT

In my opinion, this article is very well written. For a reader non-expert in the matter, the reading is just in this point where the subject flows lightly without becoming even a bit hardly. The structure of the document is simple, clear and logical. Furthermore it is explained in the introduction. The quantity of examples is generous and they are where they should be. Similarly happens to the number of figures: they are clear, concise, and they are where is needed to be. Definitions are also clear and formal, without reaching redundancy. But all this is for a non-expert reader, so maybe for an expert the reading is a bit slow.

In addition, it uses a funny QED symbol, what is always a plus.