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Low-rank Parameterization of Planar Domains for Isogeometric Analysis

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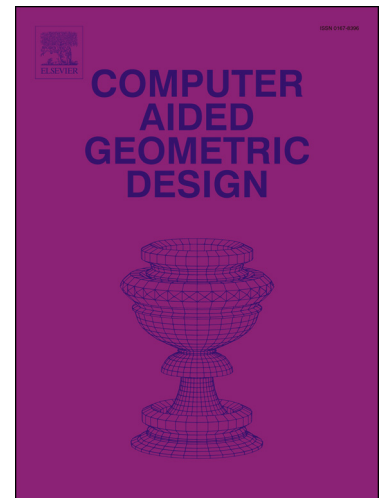
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Highlights

- A low-rank spline representation of a planar domain is constructed.
- The spline representation is bijective and with low distortion.
- Our algorithm is based on quasi-conformal mapping and low-rank approximation.
- Our method outperforms previous methods in producing better quality parameterization.

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