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**Curve reconstruction on Riemannian manifolds by meshless parameterization.** (English)

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Summary: In this paper, we investigate the curve reconstruction on Riemannian manifolds by a method called meshless parameterization. We derive conditions on point samples to obtain the correct ordering. Some examples are presented to describe the method.

**MSC:**

**65D17** Computer-aided design (modeling of curves and surfaces)

**53C15** General geometric structures on manifolds (almost complex, almost product structures, etc.)

**Keywords:**

curve reconstruction; meshless parameterization; monotonicity; Riemannian manifold; numerical examples

**Full Text:** [DOI](#)