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A Bayesian Framework for Joint Morphometry of Surface and Curve meshes in Multi-Object Complexes

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Highlights

- Bayesian framework to embed atlas constructions of multi-object shape complexes
- Trade-off parameters between data-terms and regularity are automatically estimated
- Estimated also a well-conditioned covariance matrix of the deformation parameters
- Shape complexes composed of curves and surfaces modeled as Gaussian random varifolds
- Extension to a multi-population atlas construction

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