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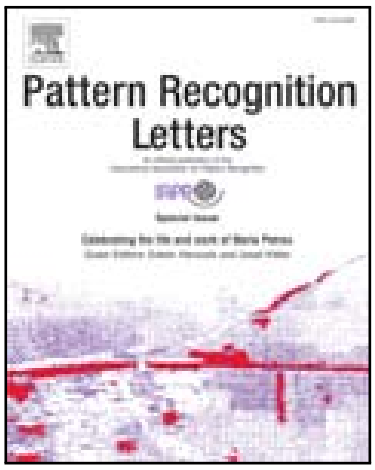

Unsupervised geodesic convex combination of shape dissimilarity measures

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Research Highlights (Required)

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The main characteristics and contributions of the method proposed in this paper could be summarized in five items as follows:

- Formalize the combination of shape distances as a Linear Programming problem
- Distances are combined to maximize the separation power, i.e. the geodesic distance
- The geodesic distance between two shapes depends on all shapes in the database
- The method is unsupervized. No class of shapes needs to be known
- The combination outperforms the combined basic distances (even the best ones)

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