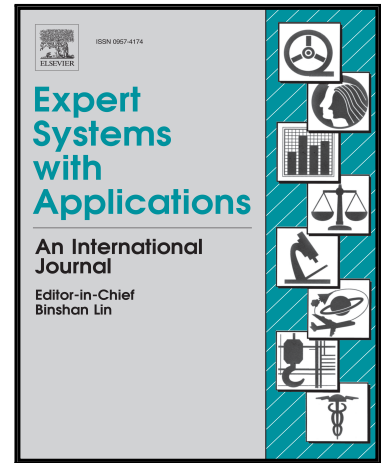


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A new k-harmonic nearest neighbor classifier based on the multi-local means

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## Highlights

- $K$  different multi-local means based on the  $k$ -nearest neighbors are employed.
- The harmonic mean distance is firstly introduced in the KNN classification problems.
- The classification error rates can be significantly reduced.
- Less sensitive to the choice of neighborhood size  $k$ .
- Easily designed in practice with a little extra computation complexity.

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