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Fuzzy C-Means Clustering Based on Dual Expression between Cluster Prototypes and Reconstructed Data

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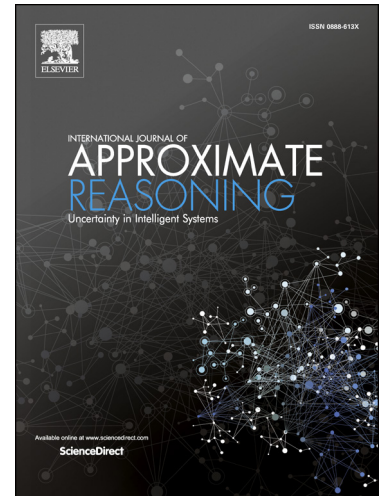
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Highlights

- Reconstructed data supervised by the original data is introduced into the FCM clustering.
- Dual expression between cluster prototypes and reconstructed data is developed.
- A way of parameter selection is provided to enhance the usefulness of the algorithm.
- An application case of clustering analysis for monitoring data of shield construction is presented.

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