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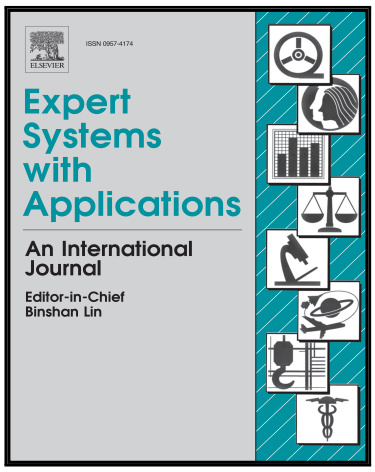

Automated pathological brain detection system: A fast discrete curvelet transform and probabilistic neural network based approach

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Highlights

- The proposed scheme can efficiently detect pathological brain in real-time.
- FDCT via wrapping scheme is employed to capture curve features from MR images.
- The proposed PBDS is validated on several benchmark datasets.
- The proposed scheme outperforms 21 existing competent schemes.
- It has a potential to be installed on medical robots.

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