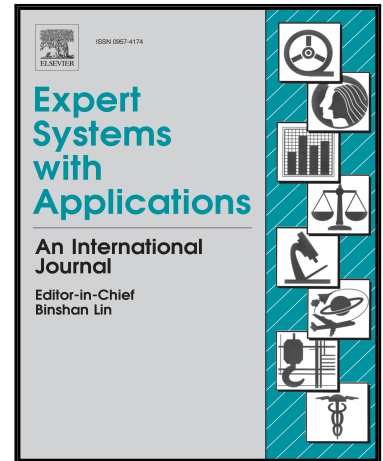


## Accepted Manuscript

Evaluation of temporal stability of eye tracking algorithms using webcams

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**Highlights**

- For analysis of the movements of the eyes, the results should be precise and stable
- A layered framework for pupil detection is proposed and implemented
- A measure for temporal stability of pupil detection algorithms is proposed
- The GPF algorithm is the most stable with less noisy sources
- The Gradient and Combined algorithms are temporally stable with noisy sources

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