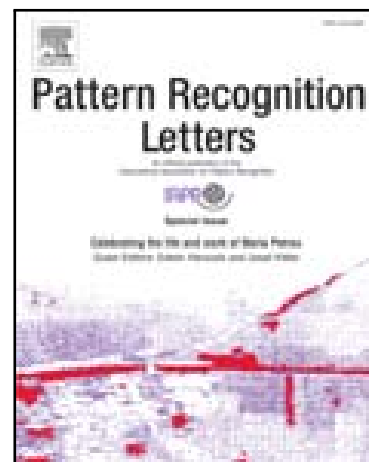


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A Bag of Expression Framework for Improved Human Action Recognition

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Research Highlights

A Bag of Expression Framework for Improved Human Action Recognition

In this paper, we introduce what we call a Bag of Expression (BoE) framework, based on bag of words method, for recognizing human action in simple and realistic scenarios.

- Bag of Expression (BoE) improves on Bag of Words method for Human Action Recognition
- BoE is able to represent spatio-temporal contextual relationships between words
- Class-specific dictionary learning uses such relationships
- BoE enables some degree of view independence and some tolerance to occlusion
- BoE outperforms BoW using both simple and complex public benchmark datasets

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