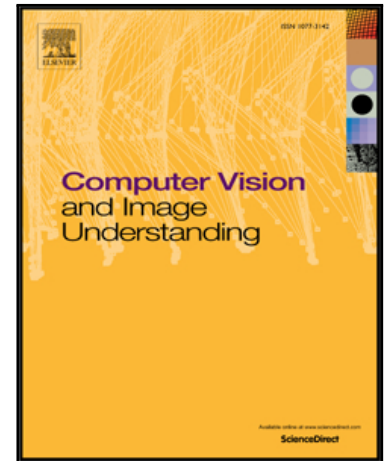


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A Bag-of-Words Equivalent Recurrent Neural Network for Action Recognition

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Highlights

- traditional bag-of-words model can be formulated as an equivalent neural network
- joint supervised learning of classifier and visual vocabulary boosts performance
- kernel functions can be represented by non-linear neural network layers
- performance is maintained even when 90 percent of the input features are discarded

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