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Enhanced skeleton visualization for view invariant human action recognition

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Highlights

- Sequence-based view invariant transform can effectively cope with view variations.
- Enhanced skeleton visualization method encodes spatio-temporal skeletons as visual and motion enhanced color images in a compact yet distinctive manner.
- Multi-stream Convolutional Neural Networks fusion model is able to explore complementary properties among different types of enhanced color images.
- Our method consistently achieves the highest accuracies on four datasets, including the largest and most challenging NTU RGB+D dataset for skeleton-based action recognition.

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