

# Slow Feature Subspace for Action Recognition

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- Main Goal: action recognition combining subspace-based methods and slow feature analysis (SFA)
- Subspace-based methods: robust against data scarceness, but lose temporal information
- SFA: extracts the slowly varying features from a time sequence
- PCA-SFA (variant of SFA): produces a video descriptor using the projection vectors of a SF space
- Proposed Method: slow feature subspace

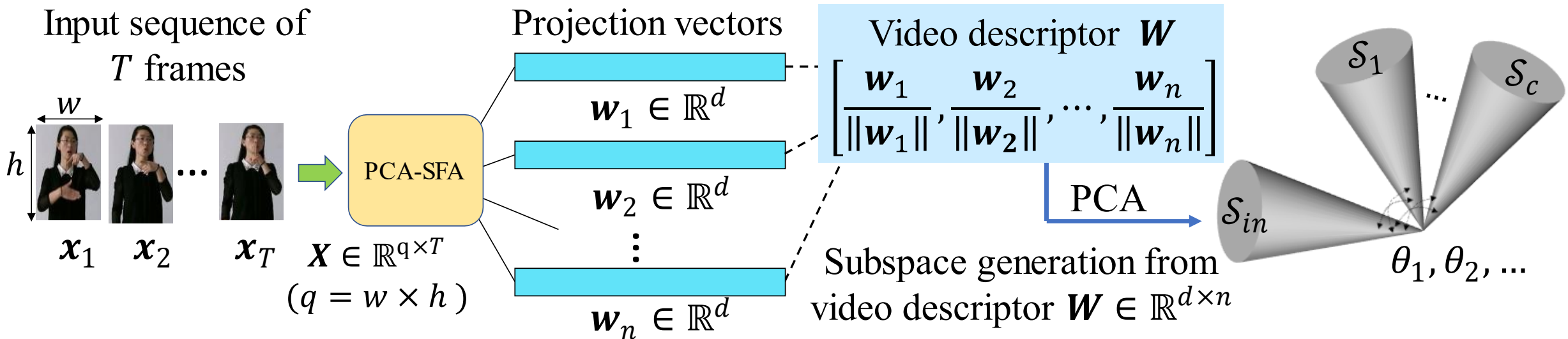


Fig 1. Conceptual diagram of the proposed method