

Haptic Object Recognition: A Recurrent Approach

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- Apply deep learning techniques to haptic object recognition task
- Propose end-to-end trainable recurrent neural networks for haptic sequence data
- Introduce an attention mechanism to distribute attention to different hidden states of the recurrent neural networks
- Validate proposed model on benchmark haptic object recognition dataset, achieve state-of-the-art performance

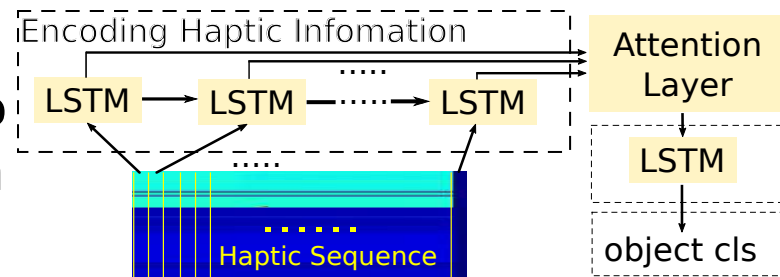


Figure. Model Illustration