TPA 1: Use of spatio-temporal features for matching (unconstrained) video shots

Problem Statement: This project is aiming at matching video shots on the basis of spatio-temporal features. We are primarily looking at developing a system where given a query video shot, similar video shots are to be retrieved from a gallery of video shots, based on the spatio-temporal features (STV, VOB).

Input:

- A query video shot.

Expected Output:

- Set of video shots similar to the query video shots.

Hint for excellence: *Special Credit will be given if the designed system could capture videos with both static and dynamic camera movement.*

Additional Material: Dataset and related video processing software will be given to you separately.

Dataset and Sample Source Code

- http://crcv.ucf.edu/data/UCF50.php

References

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