Real-time Non-rigid Object Tracking Based on Mean-shift Algorithm


Approach 2: target-candidate method

Work flow
- Represents target & candidate with histograms
- Similarity measurement
- No: Get next candidate using mean shift & repeat

Drawbacks
- Unsuitable scale adaptation method
- Can not deal with appearance changing scenes

Proposals
- Combination of optimal & previous scale with non-proportional width & height
- Adaptive target model

Experimental Results

Traditional method
- CAMShift: multi-color

Proposal
- CAMShift: similar-color
- Target-candidate: scale adaptation
- Target-candidate: appearance change