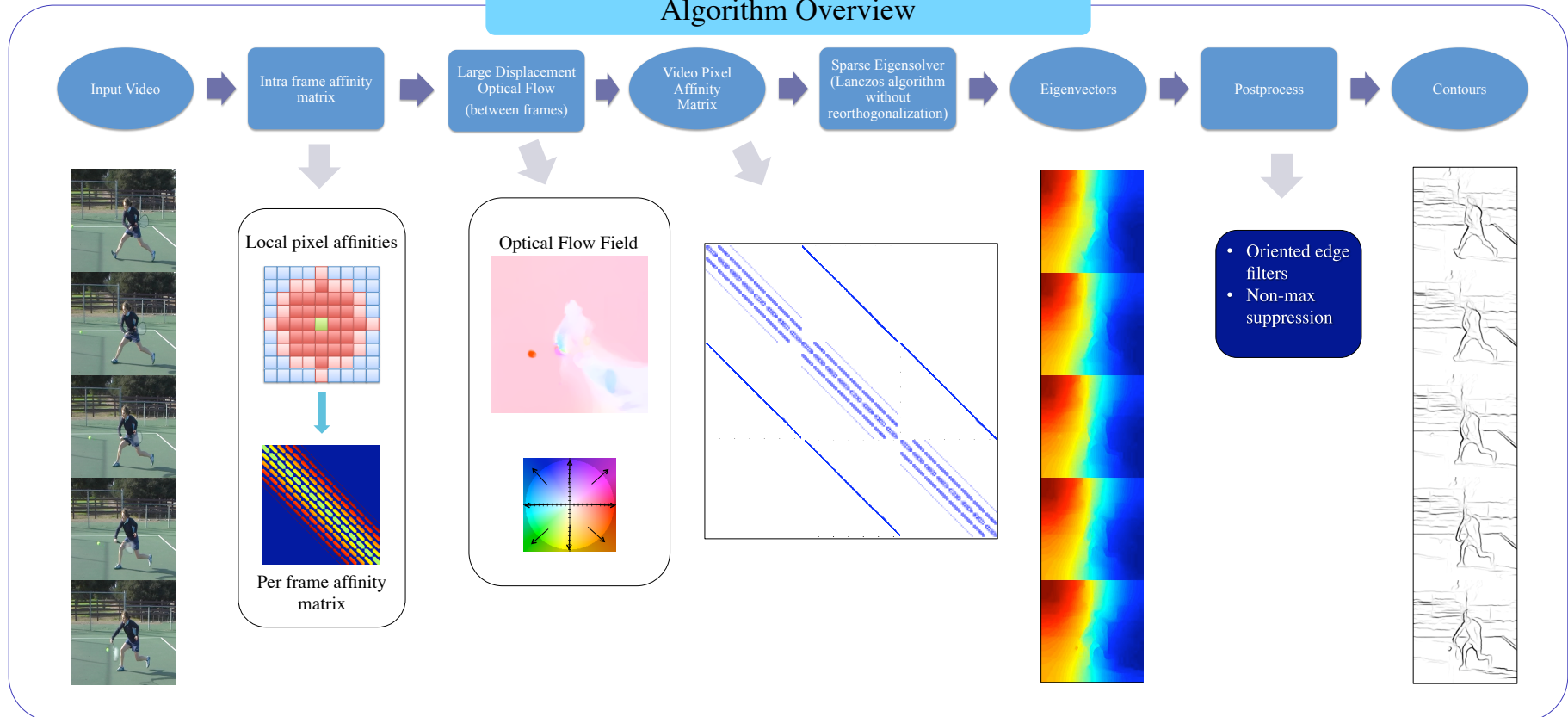


Video Object Segmentation

- We are trying to segment objects (both spatially and temporally) from video sequences.
- High quality video object segmentation is crucial for intelligent video analysis.
- We propose unifying our image contour detector (Damascene) with large displacement optical flow (LDOF) to create a pixel affinity matrix for the entire video sequence.

Algorithm Overview



Results

- Preliminary results are encouraging
- Increased accuracy for tracking moving objects compared to static image contours
- Runtime is ~ 7 seconds / frame on an Intel Core i7 + GTX 480 system

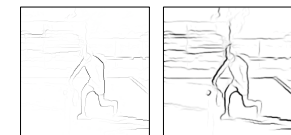


Image Contours vs Video contours

Future Work

- Generation of closed contours and video objects
- Comparison against state of the art video object segmentation systems