Optical flow methods based on level set motion

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In this talk we present new methods for finding optical flow between two images. The methods are based on previous works published in [1, 2] that are extended in several aspects. Numerical experiments will be given to illustrate the properties of our optical flow methods.

References

[1] Bertalmio, M., Sapiro, G., Randall, G. Morphing active contours *IEEE Trans. Pattern Anal. Mach. Intell.*, **22**, 733–737, 2000.

[2] Vemuri, B. C. and Ye, J. and Chen, Y. and Leonard, C. M. Image registration via level-set motion: Applications to atlas-based segmentation *Med. Image Anal.*, **7**, 1–20, 2003.