

Organ Segmentation Using Level Set Formulation with Dictionary Learning and Sparse Coding

In this paper, we present a novel generic approach for brain segmentation based on dictionary learning and sparse coding using a level set formulation. **This method uses local volume based segmentation scenario.** The proposed method is based on topological, texture, volume property features. This method is flexible and can be applied to other organ segmentation.

This paper is currently under review and will be made available as soon as a decision has been reached.