

- Idea: minimise the *Energy Function*
- Known as: **Active Contours Without Edges**

$$\begin{aligned} E_{ACWE}(\bar{I}_1, \bar{I}_2, \mathcal{C}) = & \mu \cdot l(\mathcal{C}) \\ & + \lambda_1 \int_{inside(\mathcal{C})} |I(\mathbf{x}_0) - \bar{I}_1|^2 d\mathbf{x} \\ & + \lambda_2 \int_{outside(\mathcal{C})} |I(\mathbf{x}_0) - \bar{I}_2|^2 d\mathbf{x} \end{aligned}$$

Chapter 3

Methodology

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Contour Refinement of Leukocyte Segmentations in Scans of Stained Bone Marrow