

Yuni Wiwwu

Content Refinement of Labeled Segments in Stained Bone Marrow



Lehrstuhl für
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RWTHAACHEN
UNIVERSITY

Lo Gradient Minimization

Gradients in Polar Coordinates



$$\min \left\{ \sum (S - I)^2 + \lambda \cdot C(S) \right\}$$

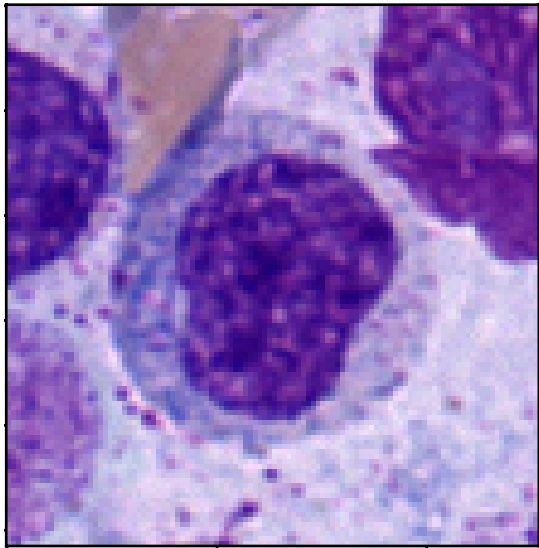
• Given *I* to find *S*

CS

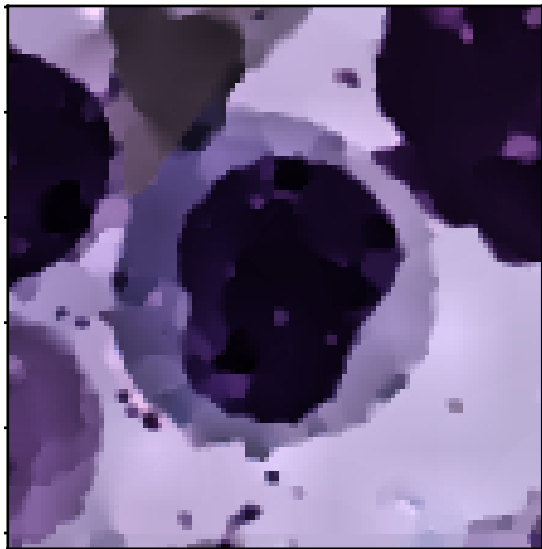
- Counting function non-zero gradients:

• Constraint:

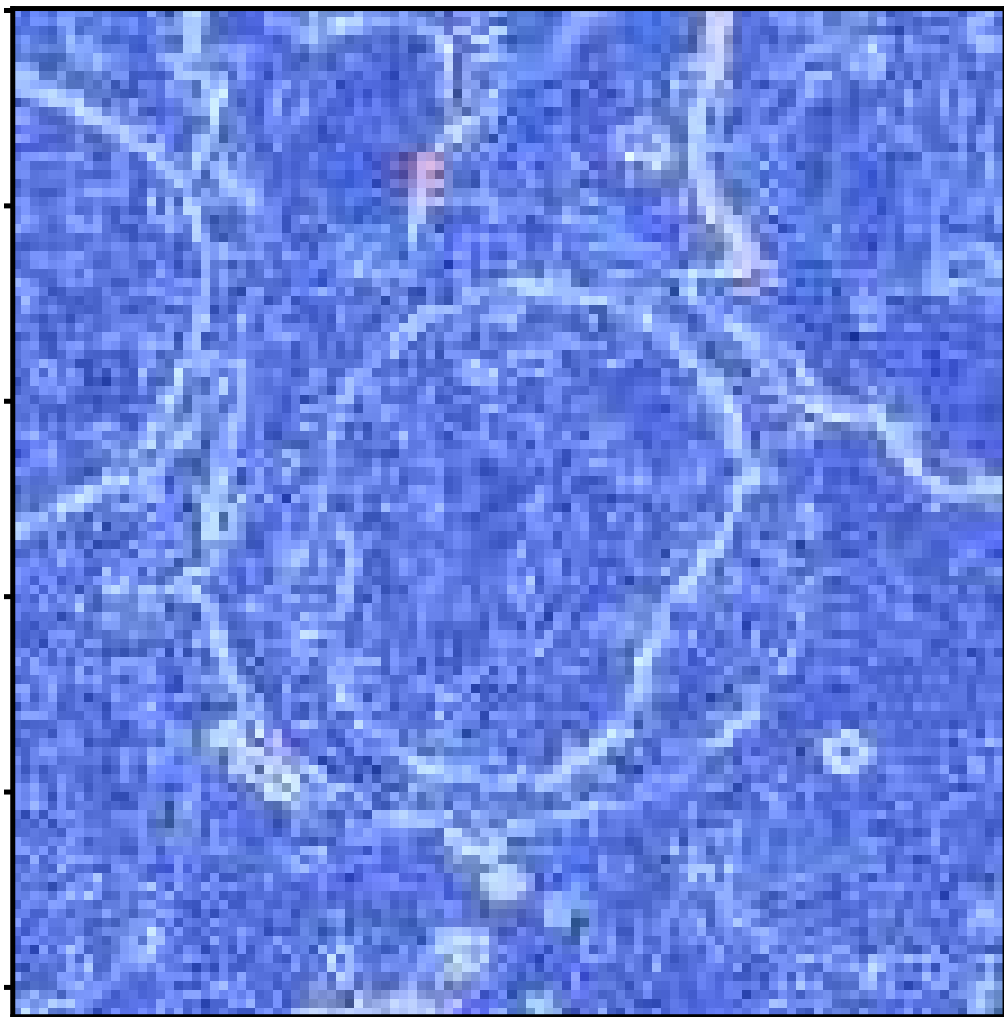
Original Image



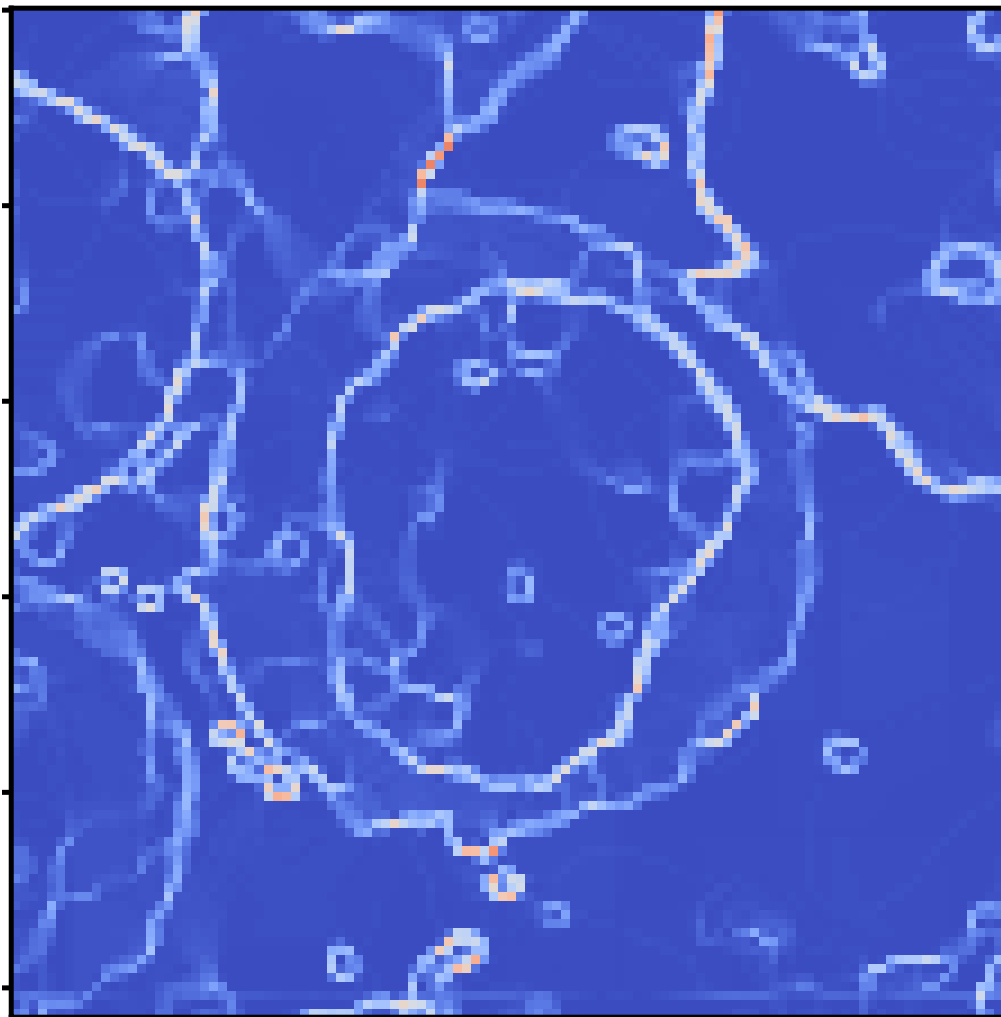
CLAHE of L0



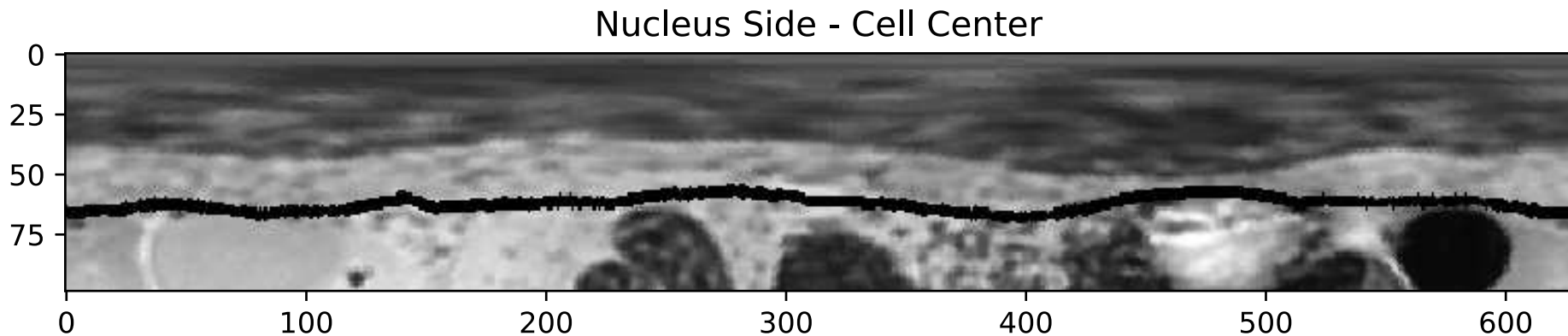
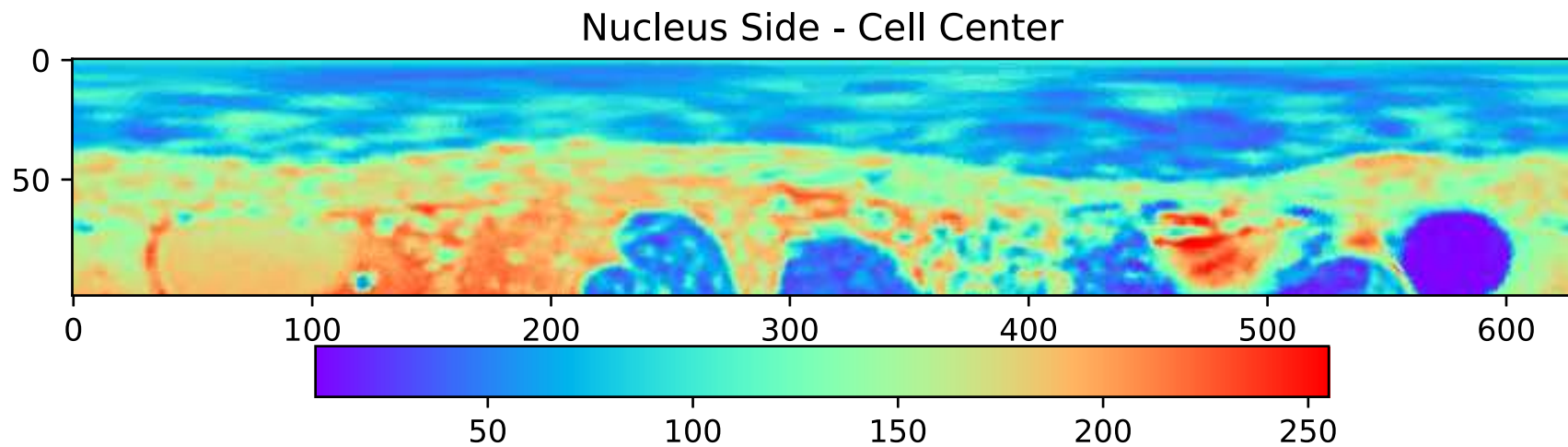
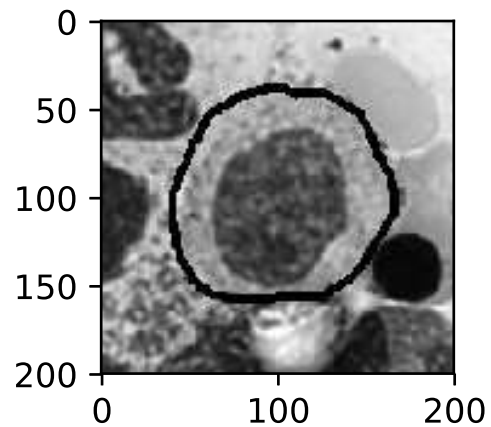
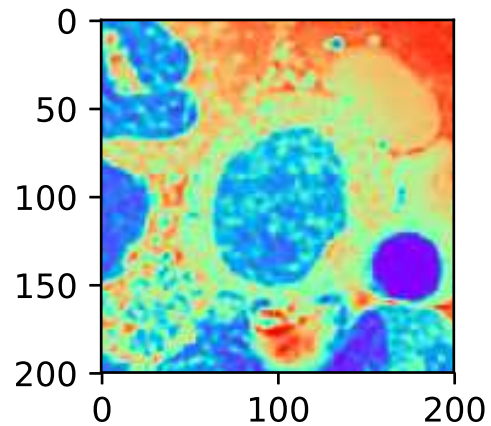
Gradient (Original)

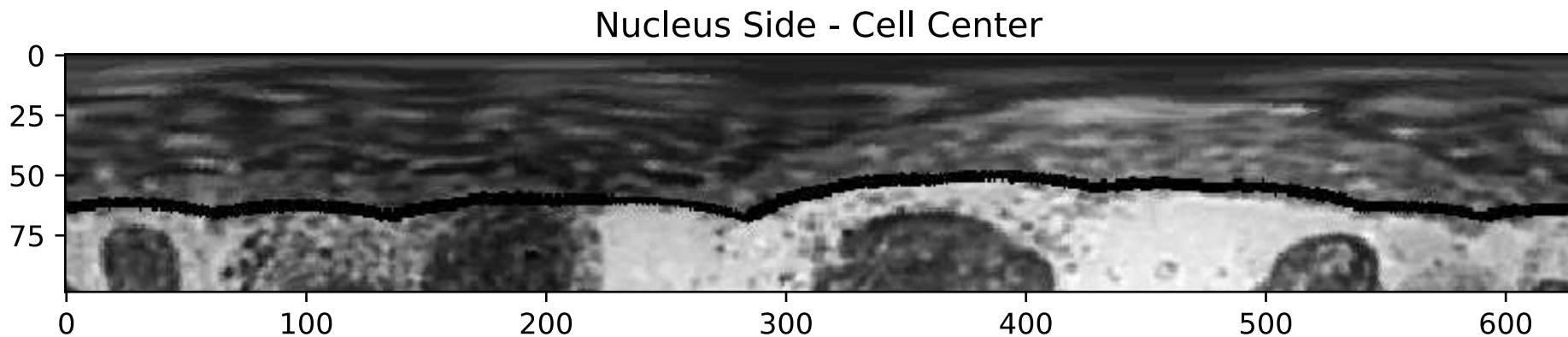
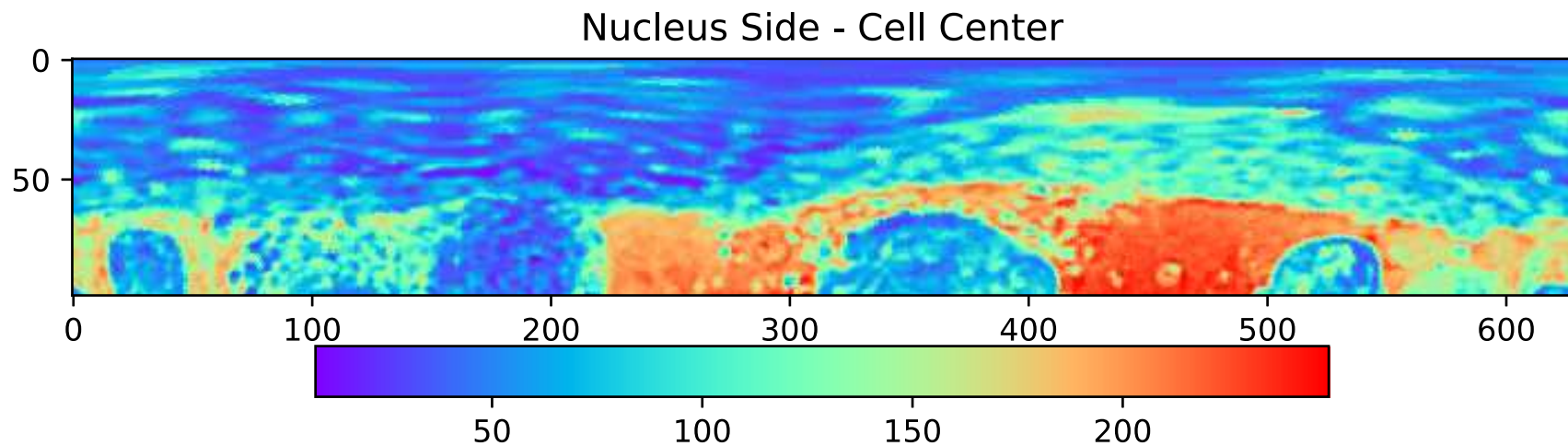
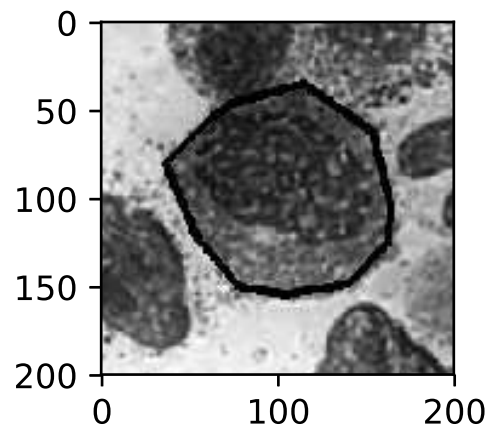
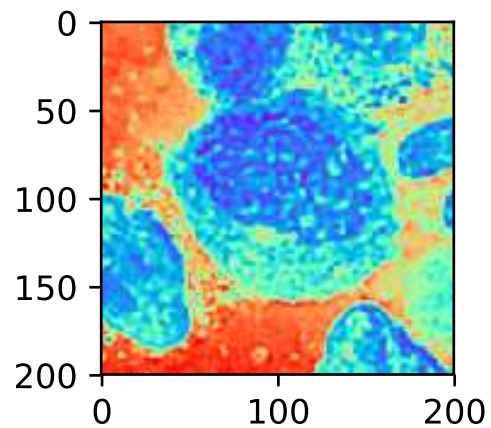


Gradient (CLAHE of L0)



Methodology





Ground-Truth contour





Nonnaisation

































































2

0

Methodology



























































