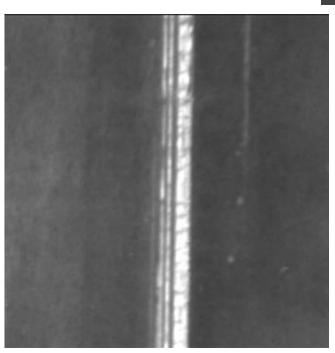
METALIIC DEFECT DETECTION

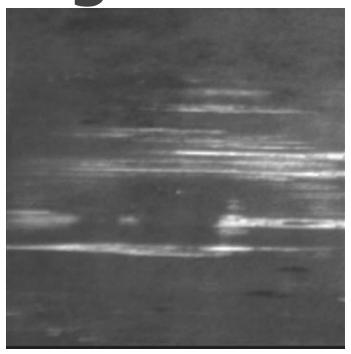
Udit Pramanik

Overview

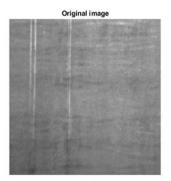
- Sc_Images
 - 1. Method 1
 - 2. Method 2
 - 3. Method 3
 - 4. Comparision of methods for SC images

SC_ images

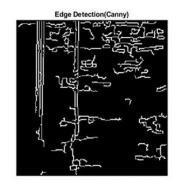


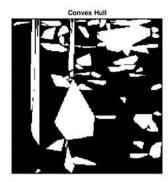


Method 1 for Sc(Worst Image)

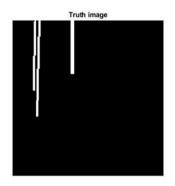




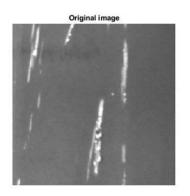




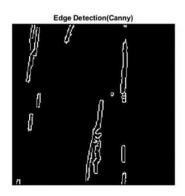


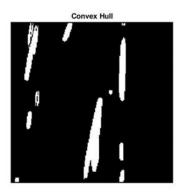


Method 1 for Sc(Best Image)





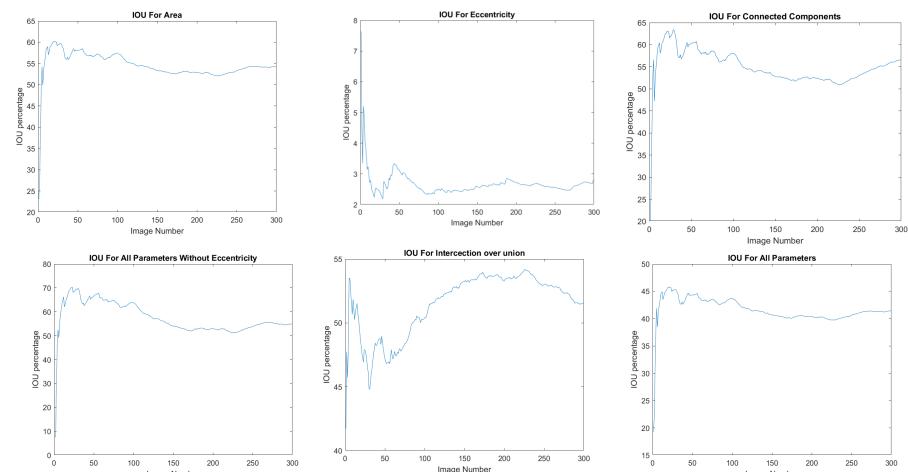




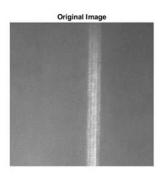




Comparative study

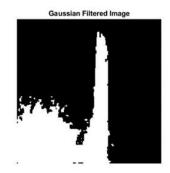


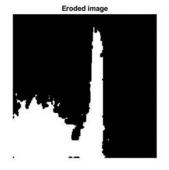
Method 2 for Sc_(Worst Image)

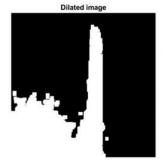


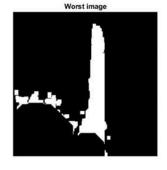


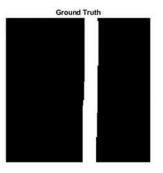




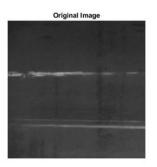


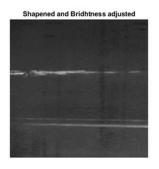


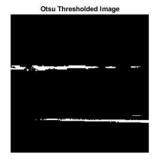




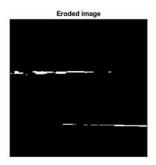
Method 2 for Sc(Best Image)









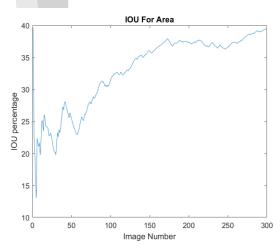


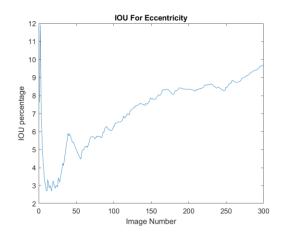


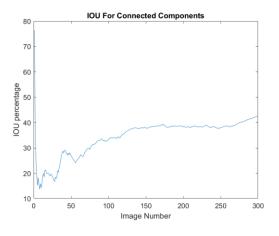


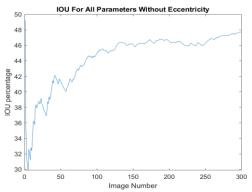


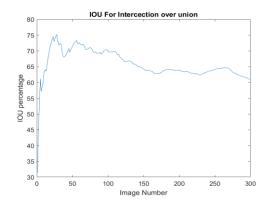
Comparative study

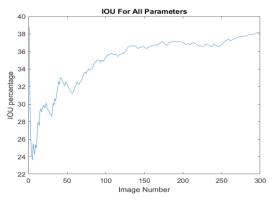






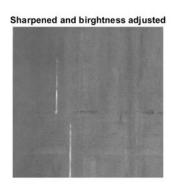


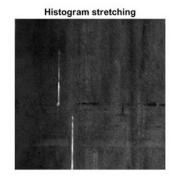


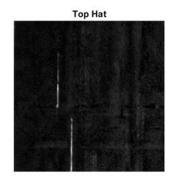


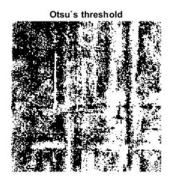
Method 3 for Sc_(Worst Image)

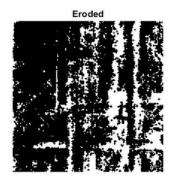
Original Image

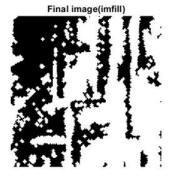


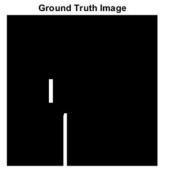




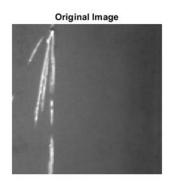




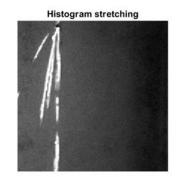


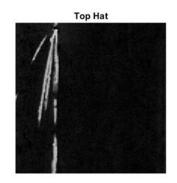


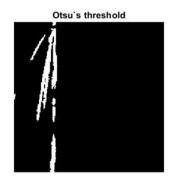
Method 3 for Sc_(Best Image)

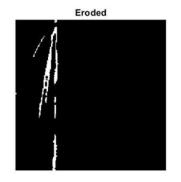


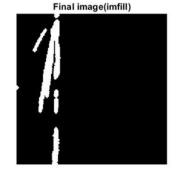


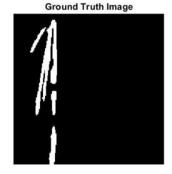


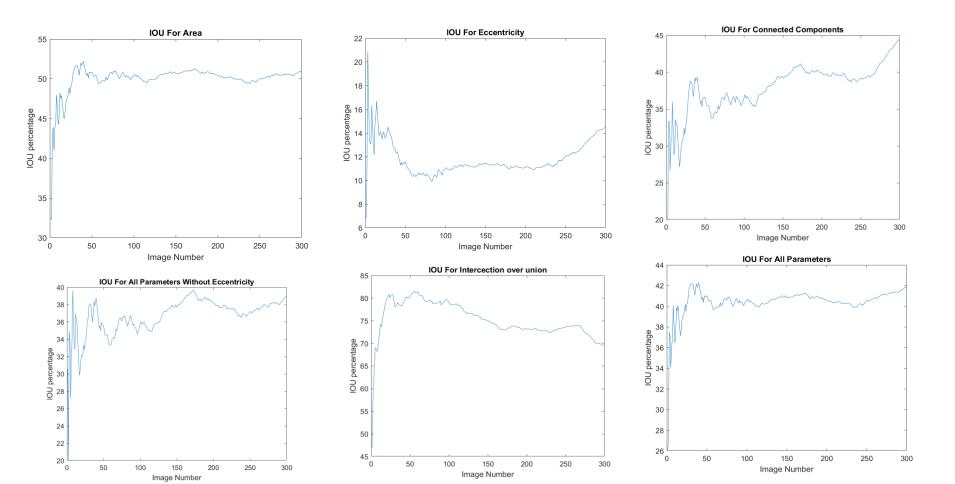












Percentage Efficiency for Sc_images

	IOU for Area	IOU for Eccentricity	IOU for Connected Components	IOU for All Parameters	Intersection over unión	IOU for all Parameters without Eccentricity
Method 1	73.10406	0.474215	75	41.48212	51.53119	54.38218
Method 2	39.58845	9.731184	42.68204	38.24983	60.99765	47.75604
Method 3	38.87258	14.48669	44.25177648	41.79097	69.552857	50.8924035

Comparison of 3 methods used:

