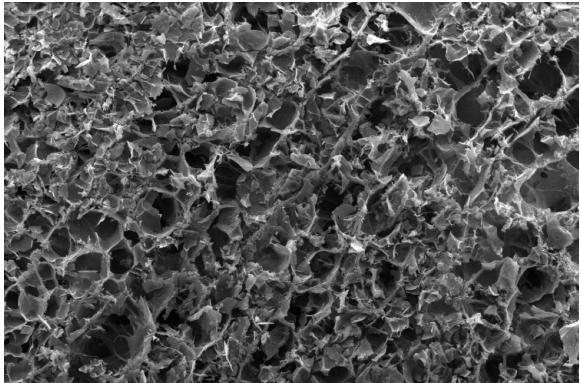
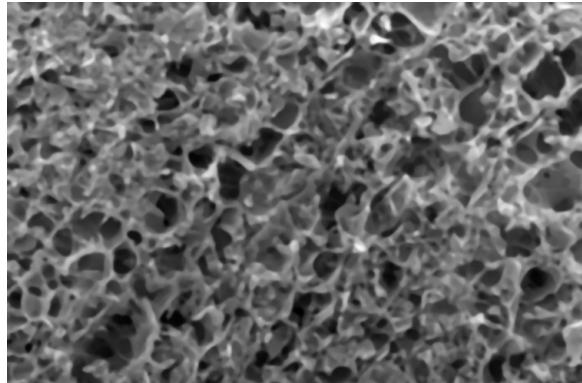


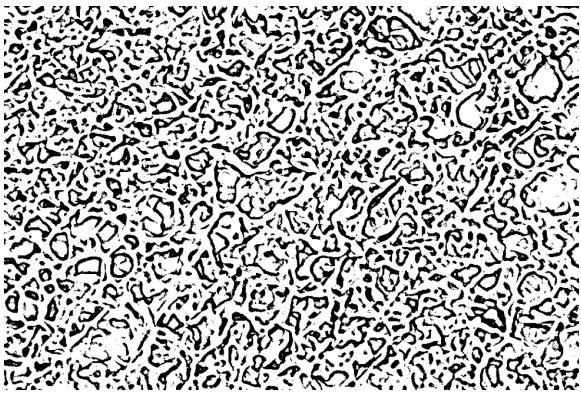
Original Image



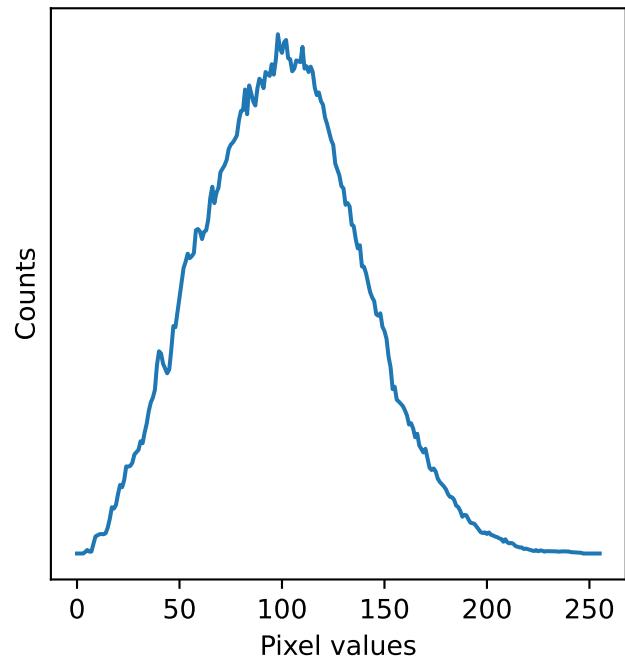
Processed Image



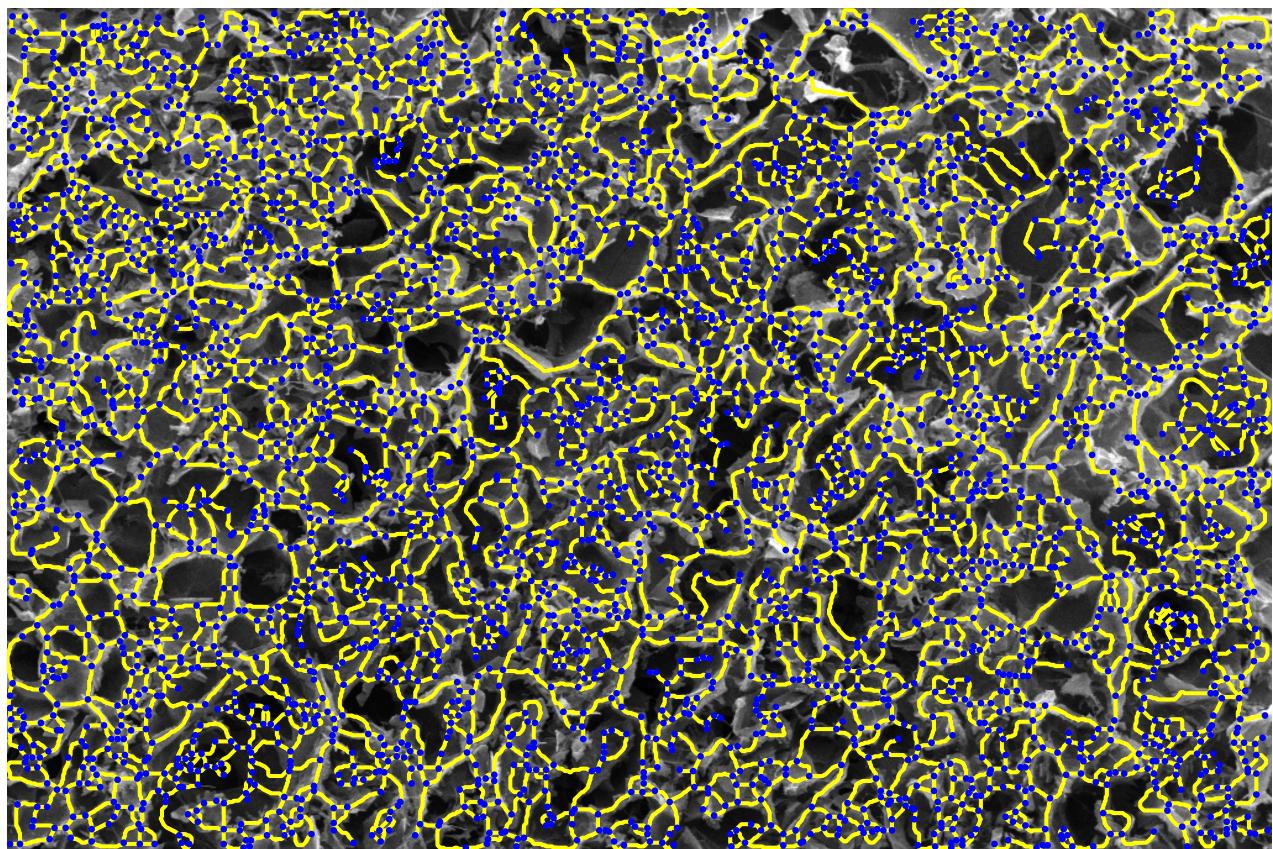
Binary Image



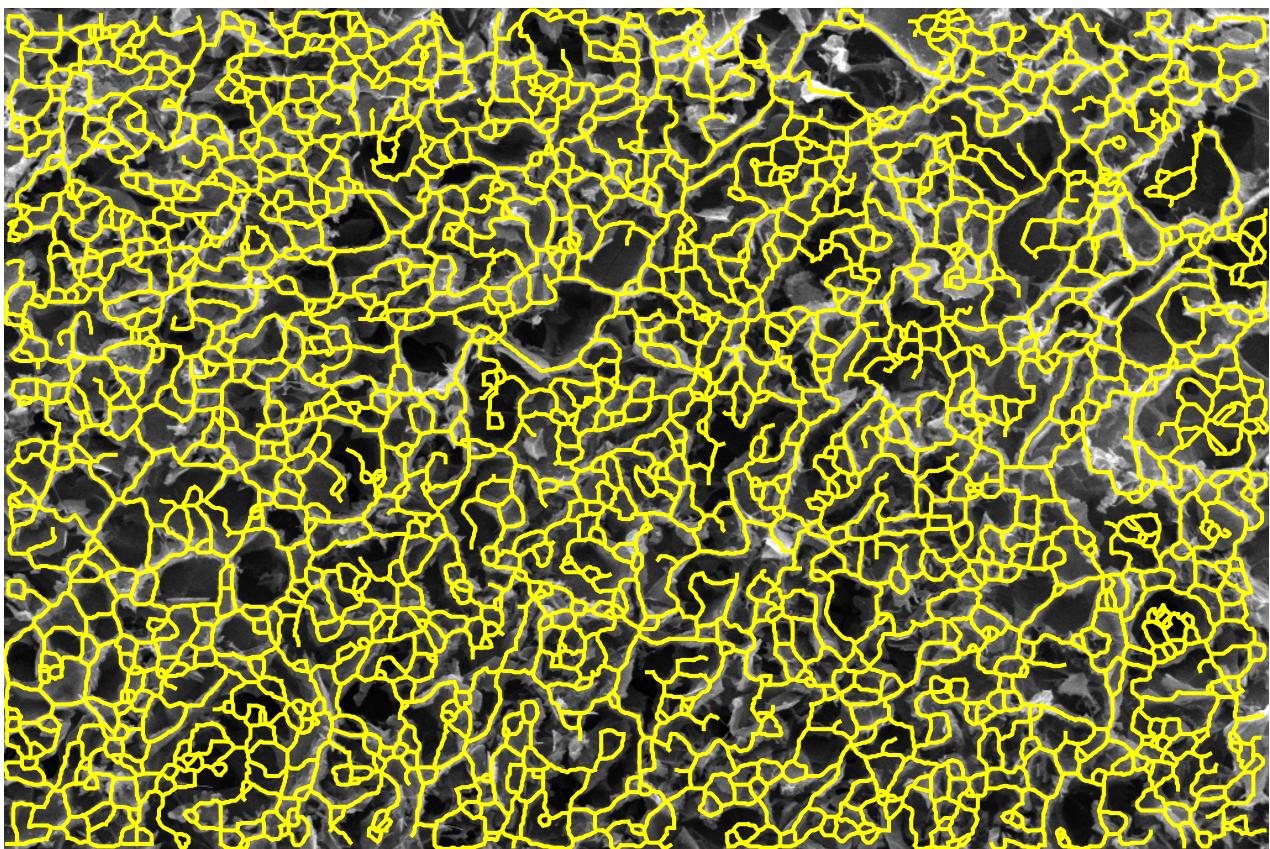
Histogram of Processed Image



Graph Node Plot



Graph Edge Plot



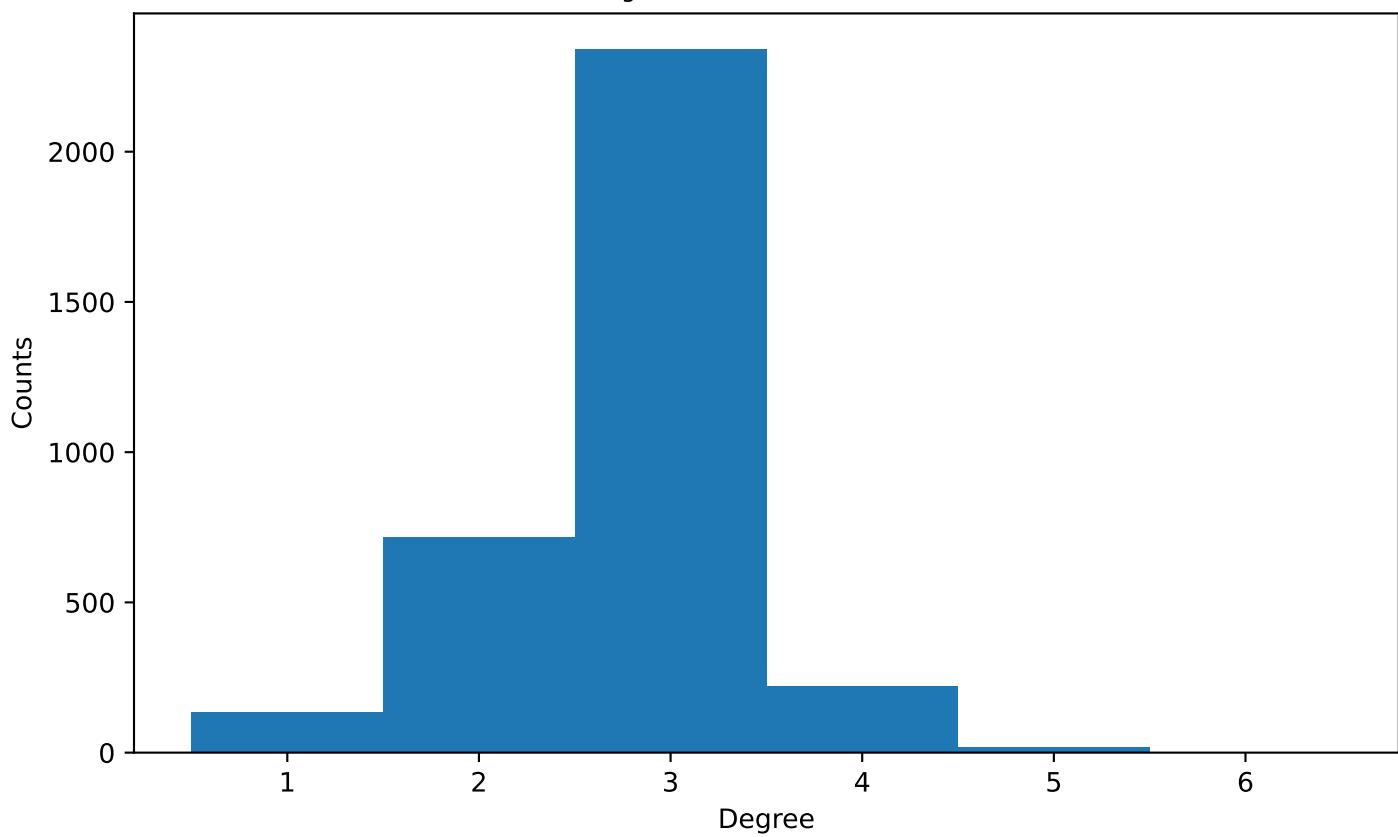
### Unweighted GT parameters

Number of nodes	3434.0
Number of edges	4786.0
Average edge angle (degrees)	165.227
Median edge angle (degrees)	90.0
Average degree	2.78742
Network diameter	114.0
Graph density	0.00081

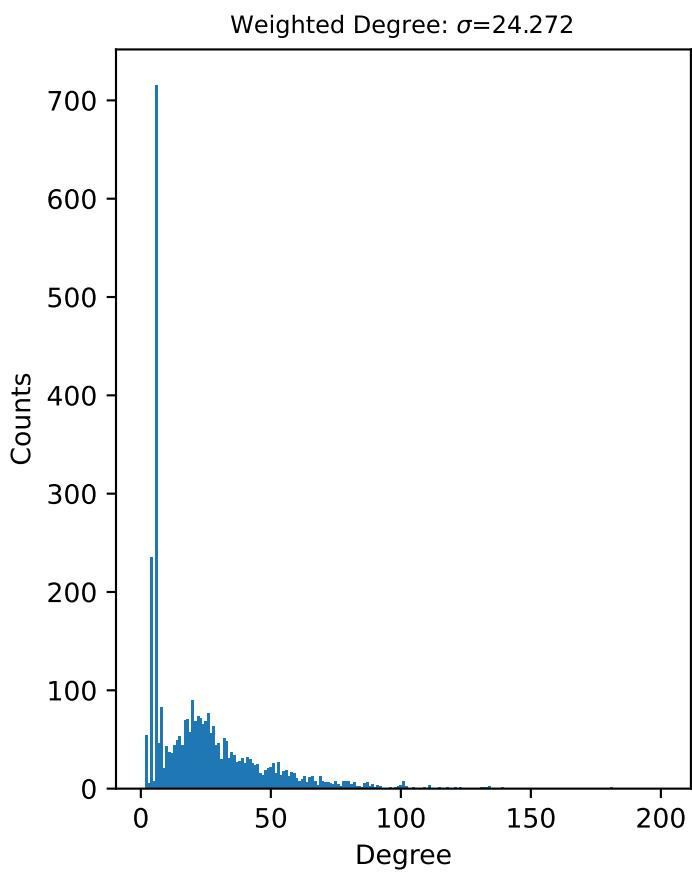
### Weighted GT parameters

Diameter-weighted average degree	25.72288
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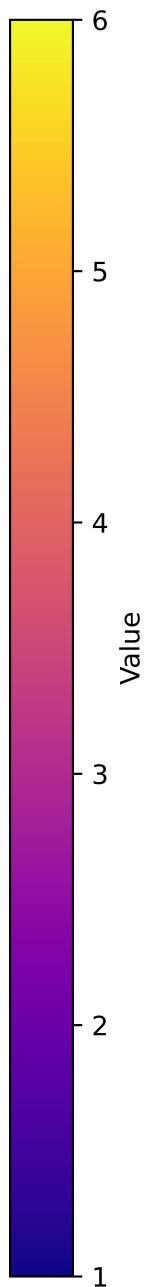
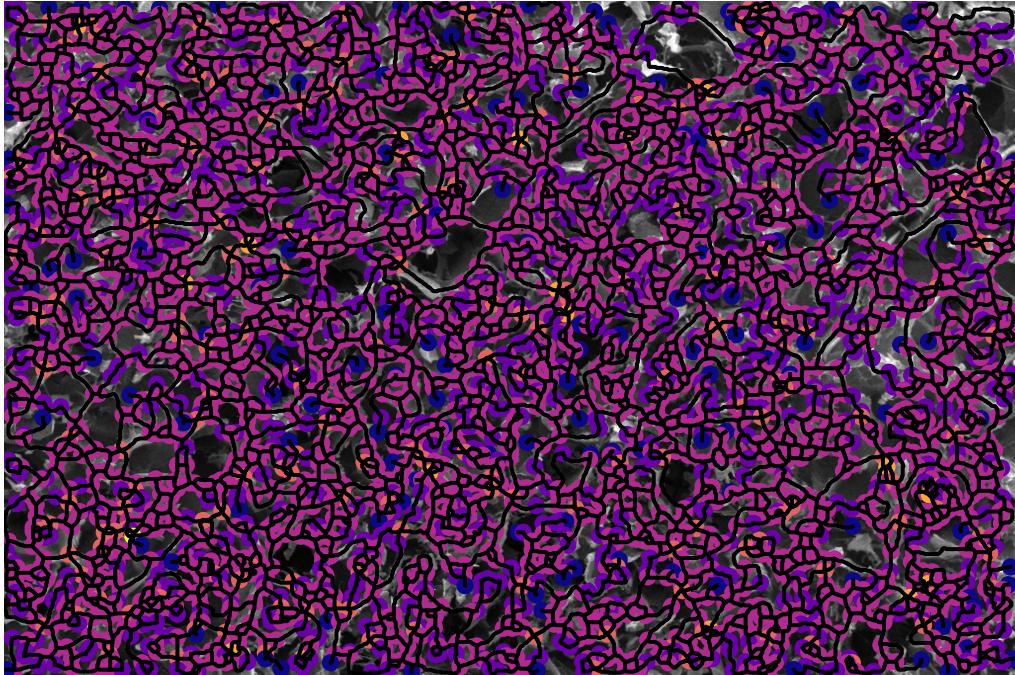
Degree Distribution:  $\sigma=0.639$



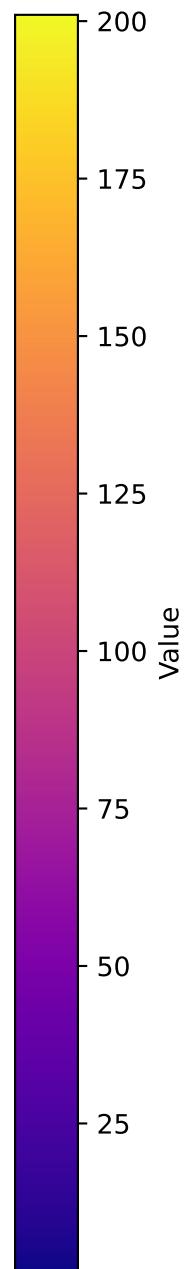
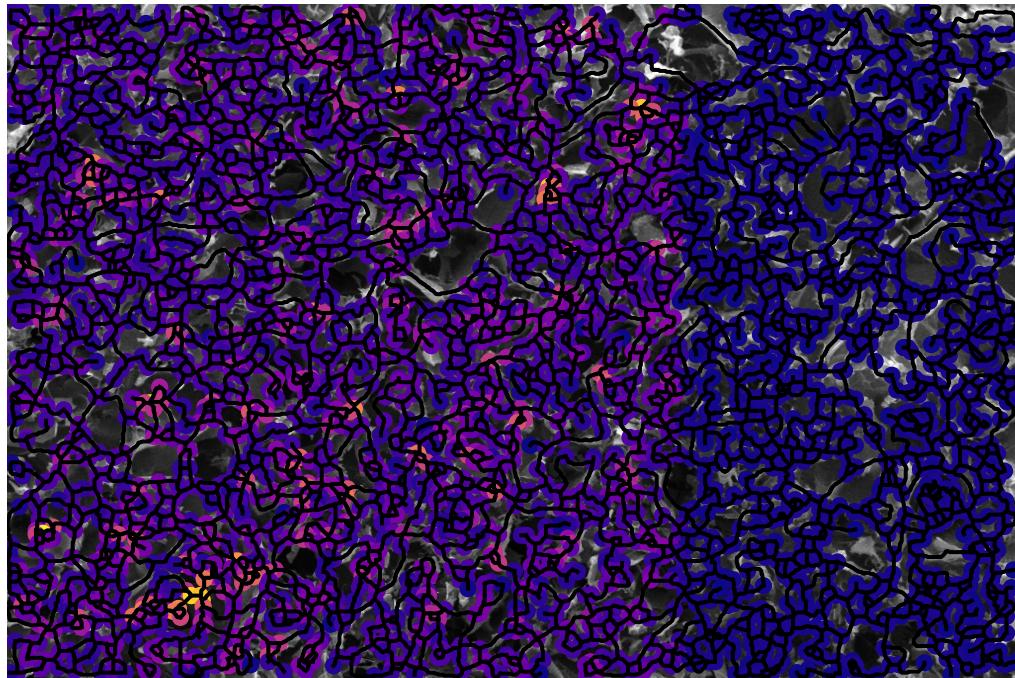




Degree Heatmap



Weighted Degree Heatmap



## Run Info

i (3).tif

2025-06-05 16:10:52

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### \*\*\*Image Filter Configurations\*\*\*

Adaptive Threshold, 11 bit kernel || Gamma = 1.28  
Median Filter || Gaussian Blur, 5.0 bit kernel  
Low-pass filter, 7 window size

### \*\*\*Microscopy Parameters\*\*\*

Scalebar Value = 0.0 nm || Scalebar Pixel Count = 1  
Resistivity = 1.0Ωm

### \*\*\*Image Scale\*\*\*

Size = 682 x 1024 px || Scale Factor = 0.6666666666666666

### \*\*\*Graph Extraction Configurations\*\*\*

Weight Type: Diameter || Merge Nodes || Prune Dangling Edges  
Remove Objects of Size = 500 || Remove Self Loops