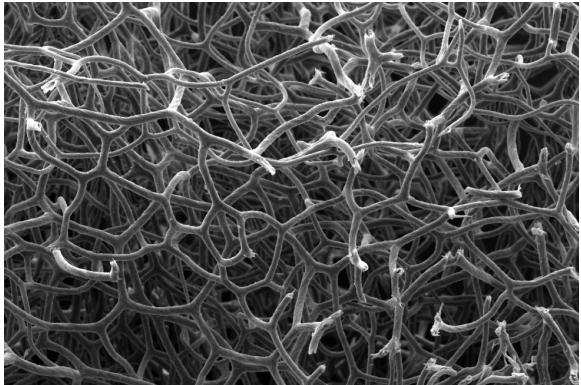
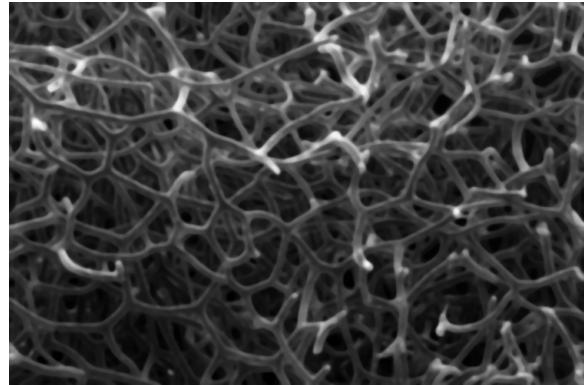


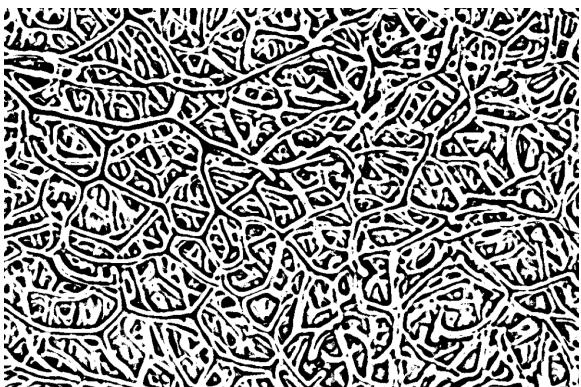
Original Image



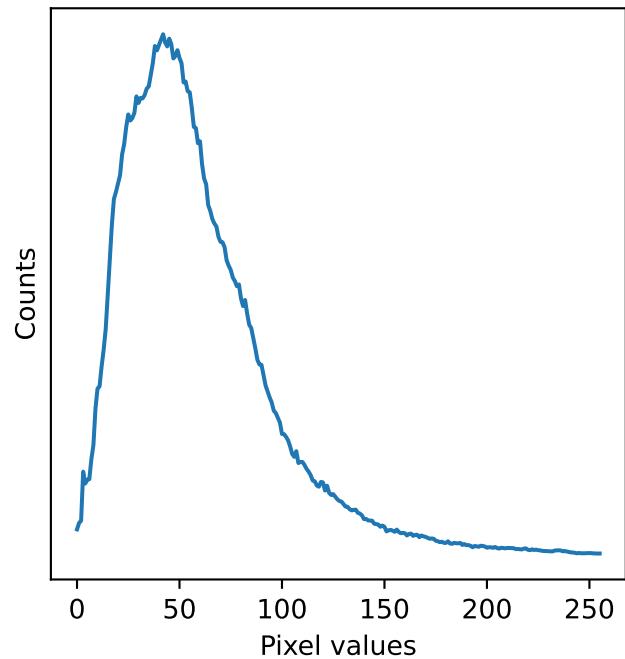
Processed Image



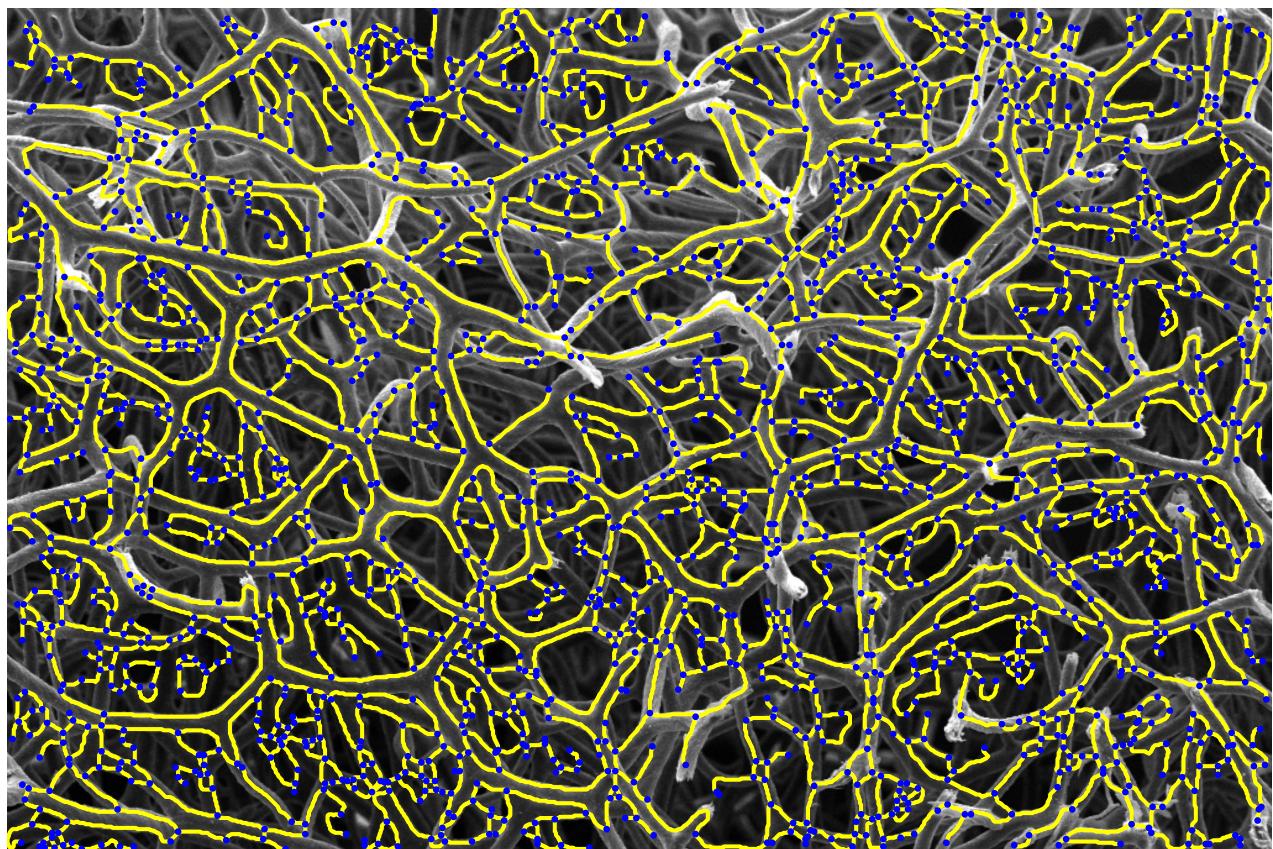
Binary Image



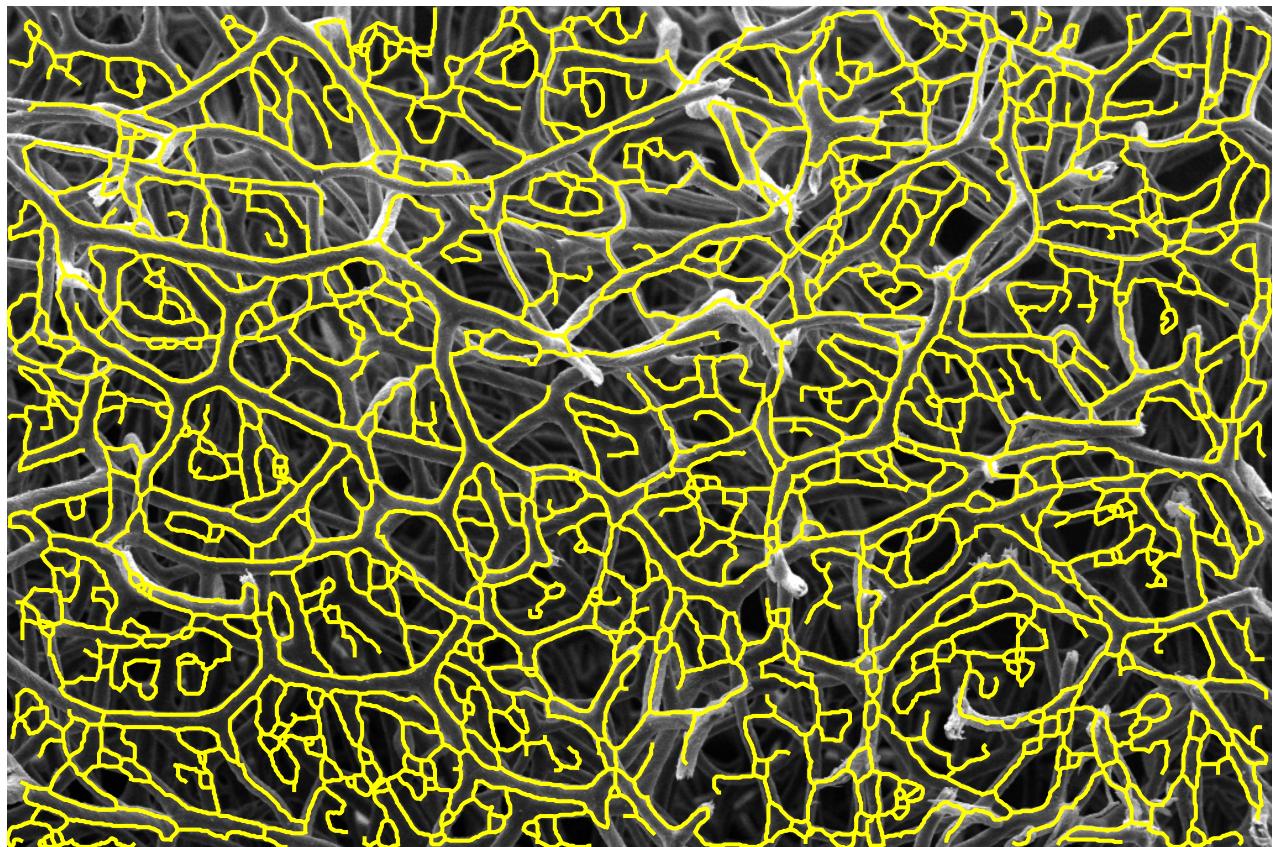
Histogram of Processed Image



Graph Node Plot



Graph Edge Plot



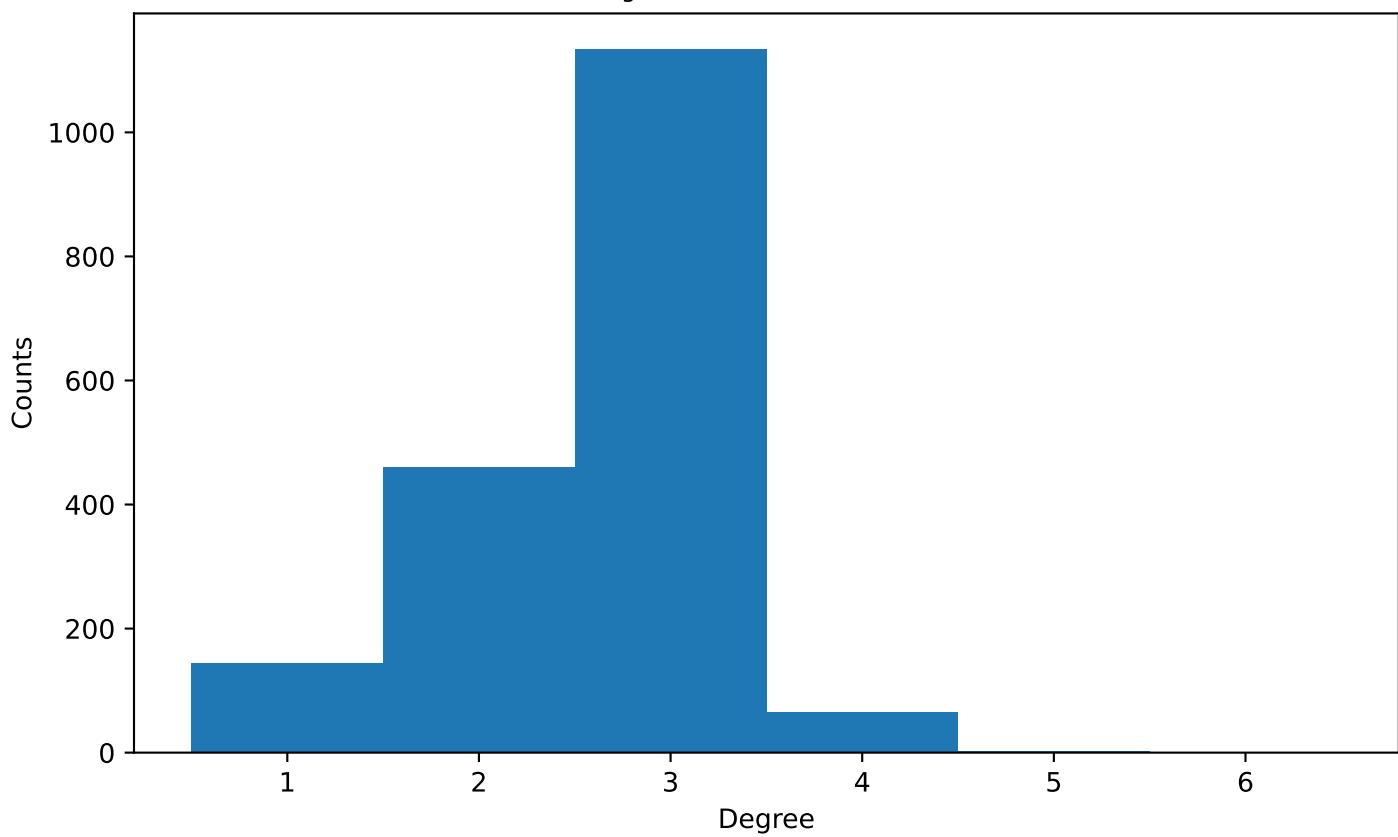
### Unweighted GT parameters

Number of nodes	1808.0
Number of edges	2375.0
Average edge angle (degrees)	160.393
Median edge angle (degrees)	85.03
Average degree	2.62721
Network diameter	72.0
Graph density	0.00145

### Weighted GT parameters

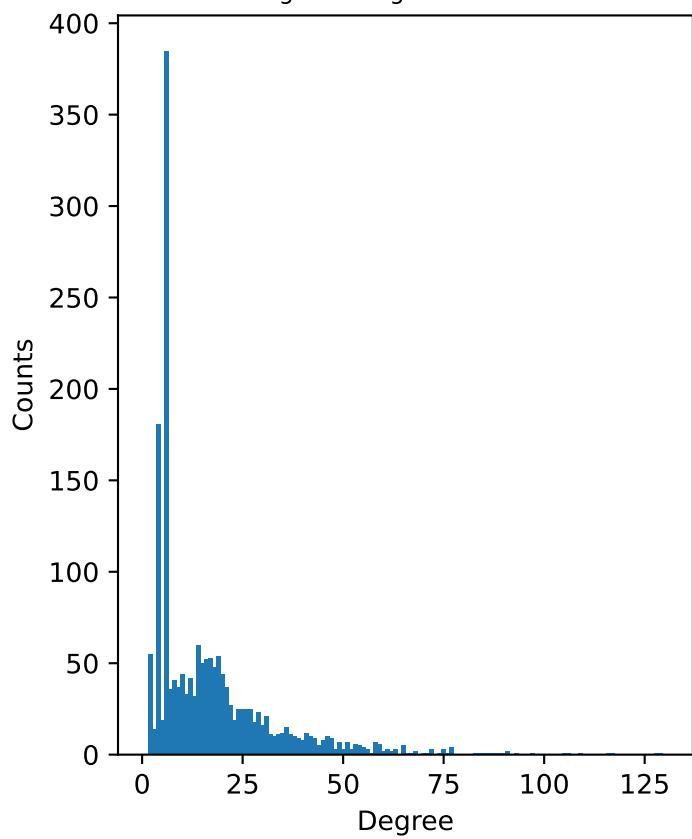
Diameter-weighted average degree	17.65536
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Degree Distribution:  $\sigma=0.694$

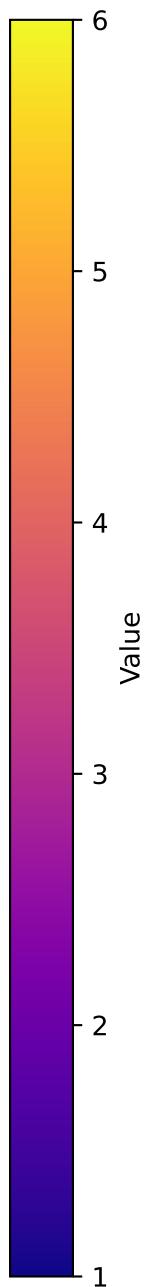
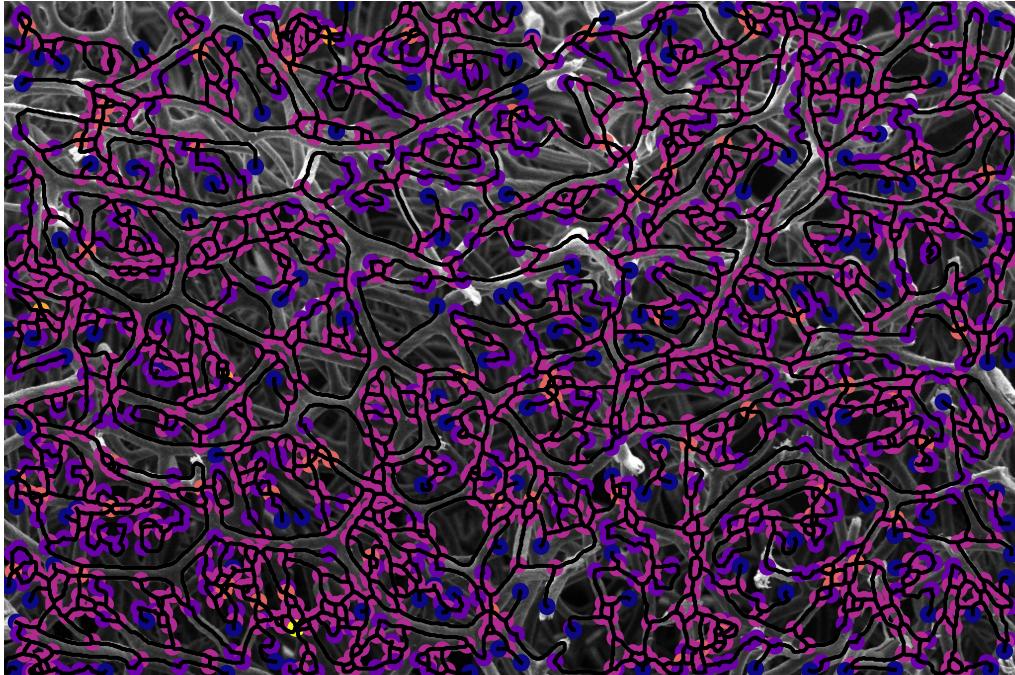




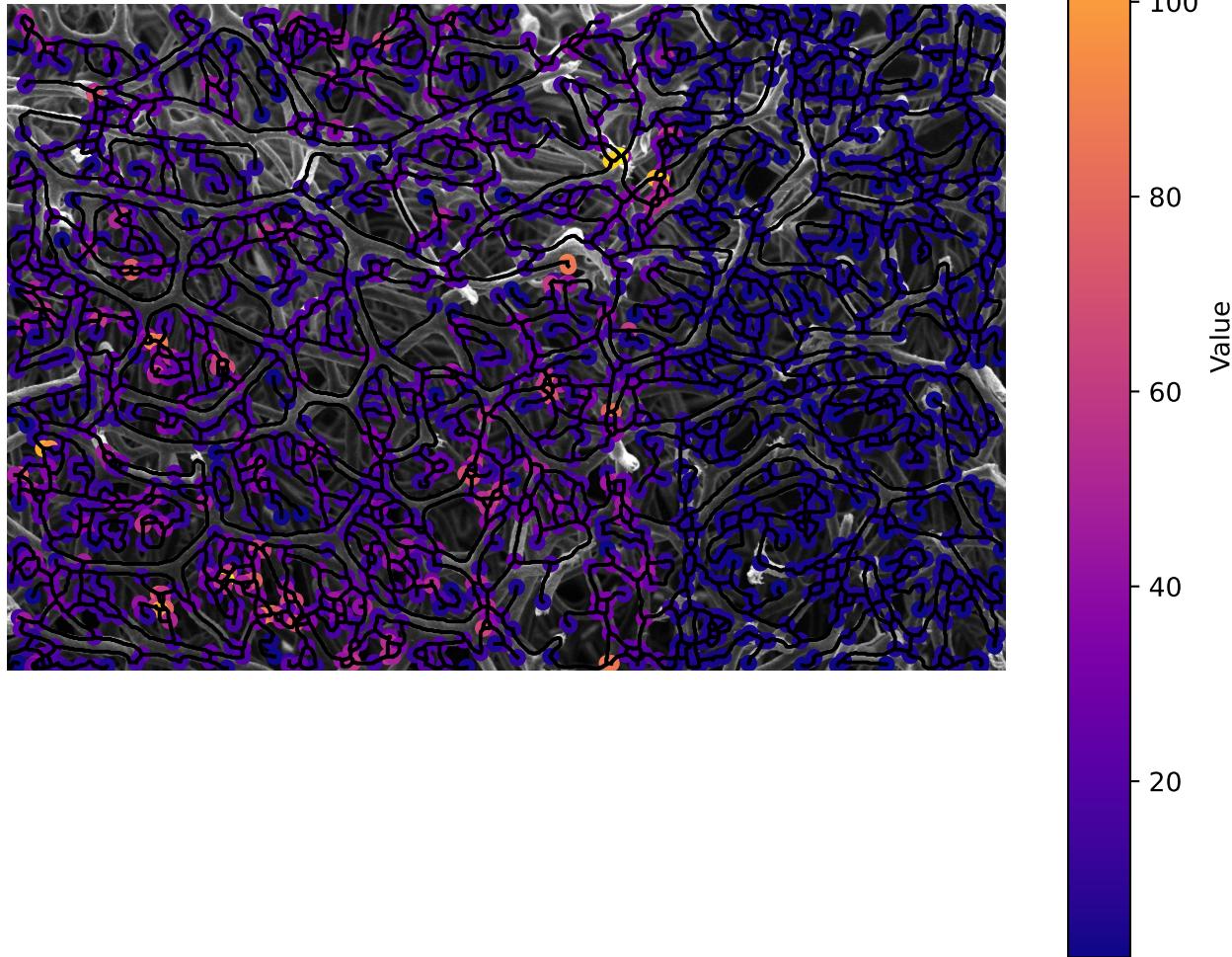
Weighted Degree:  $\sigma=16.734$



Degree Heatmap



Weighted Degree Heatmap



## Run Info

4\_002.tif  
2025-06-05 15:38:29

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

Adaptive Threshold, 21 bit kernel || Gamma = 0.81  
Median Filter || Gaussian Blur, 3.0 bit kernel  
Low-pass filter, 10 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