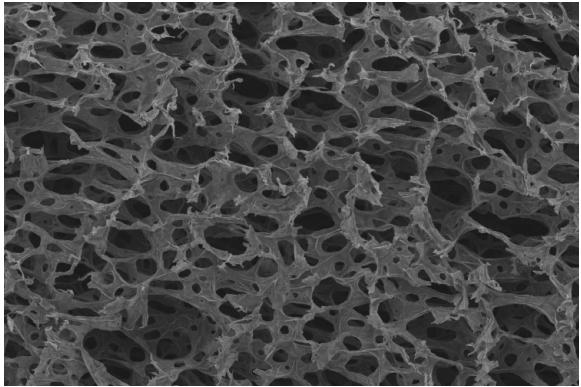
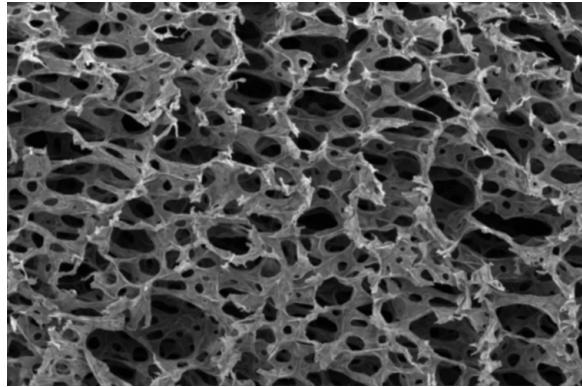


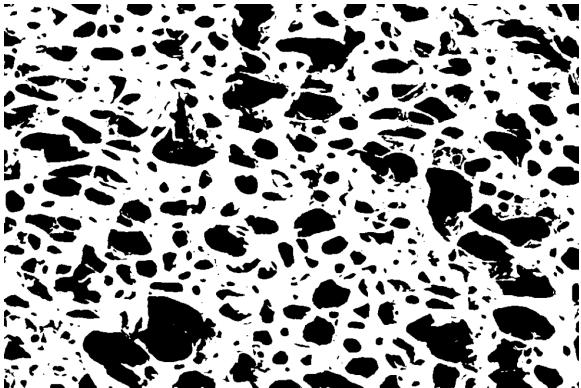
Original Image



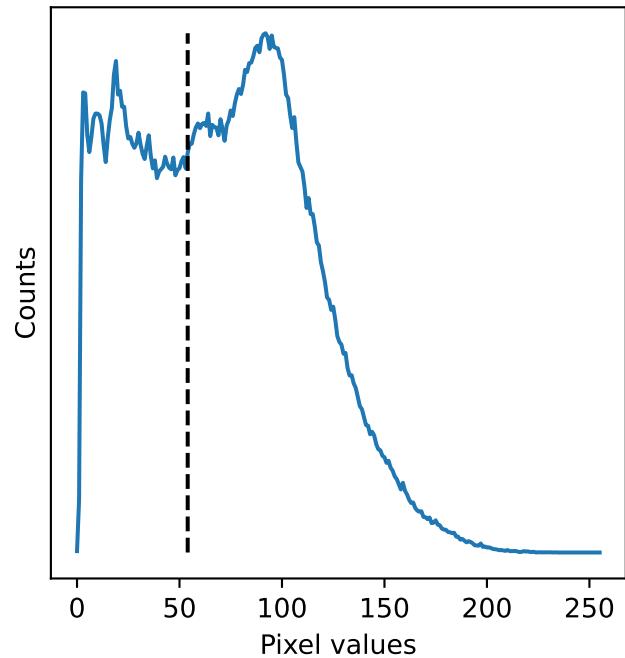
Processed Image



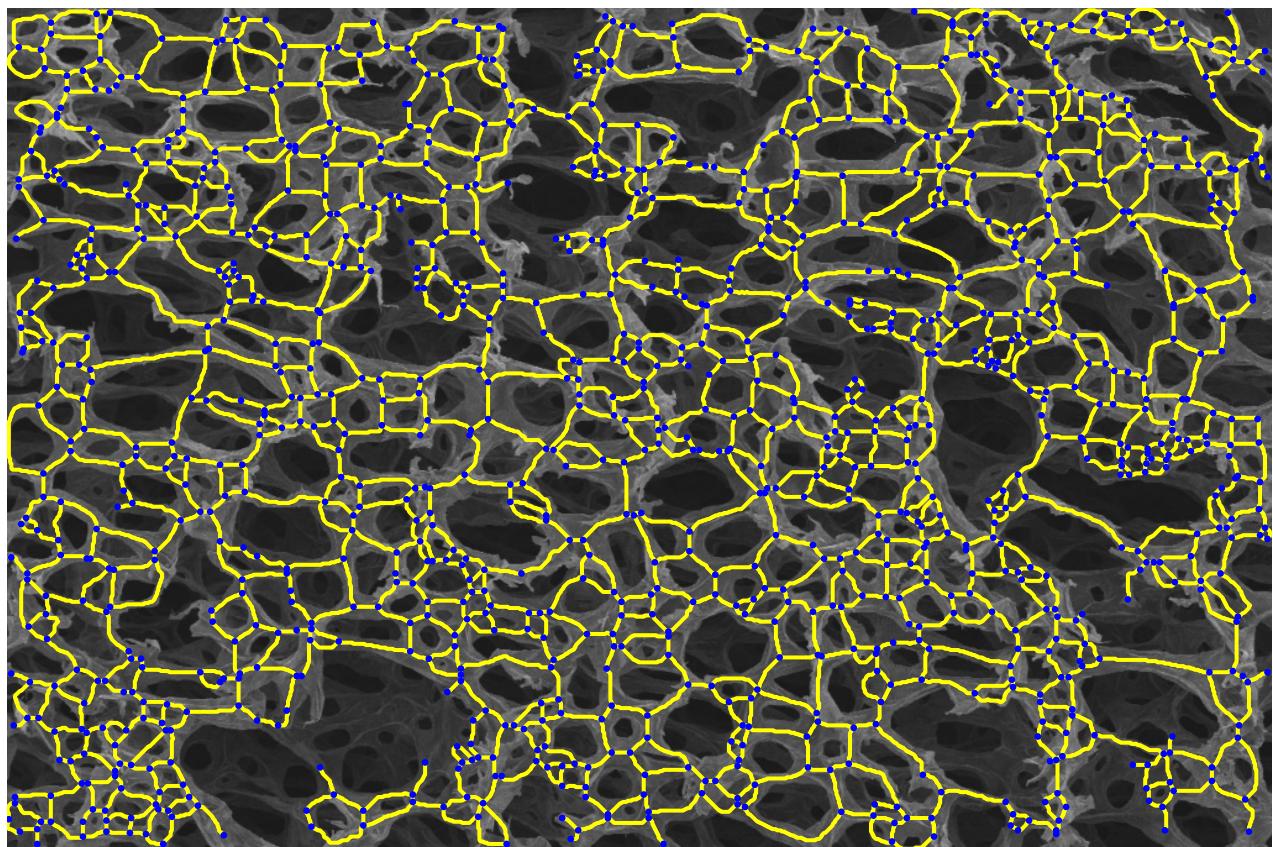
Binary Image



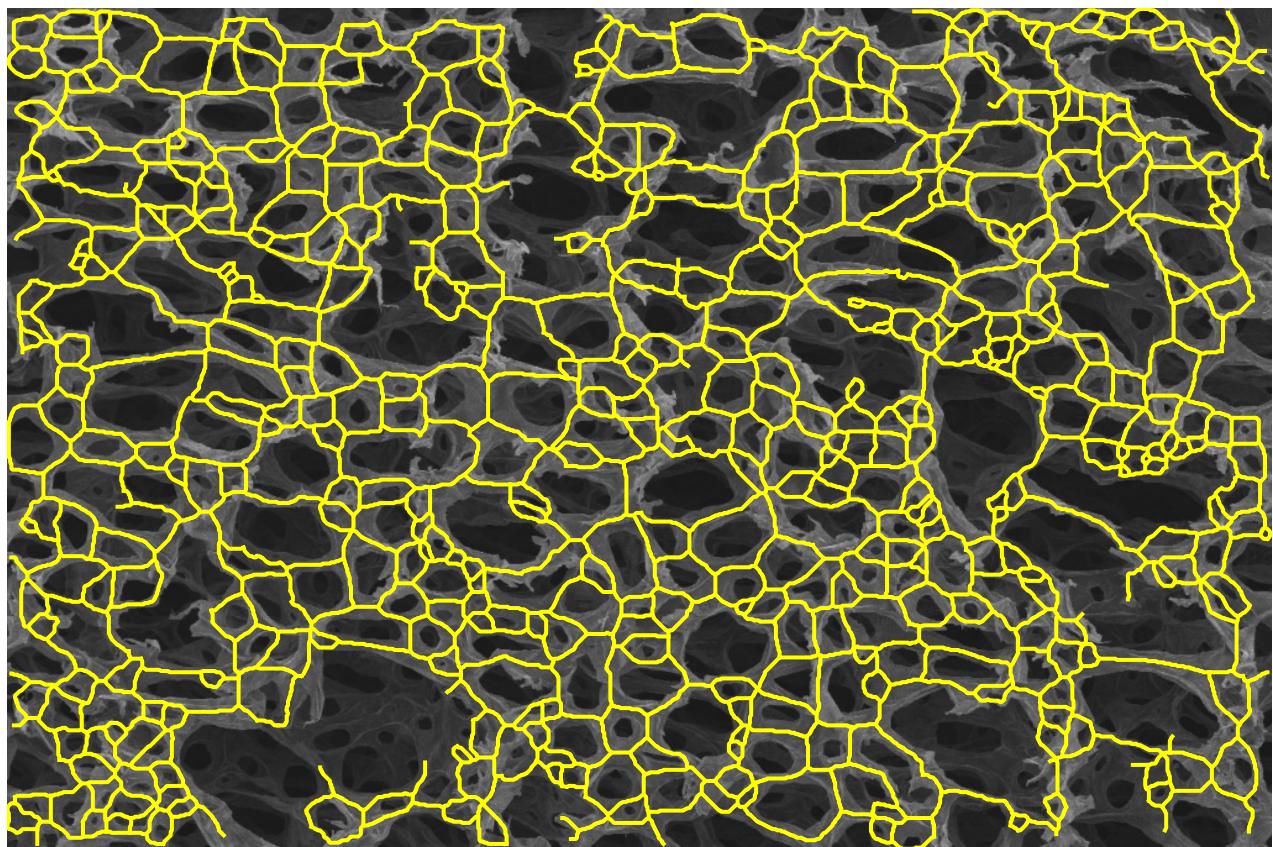
Histogram of Processed Image



Graph Node Plot



Graph Edge Plot

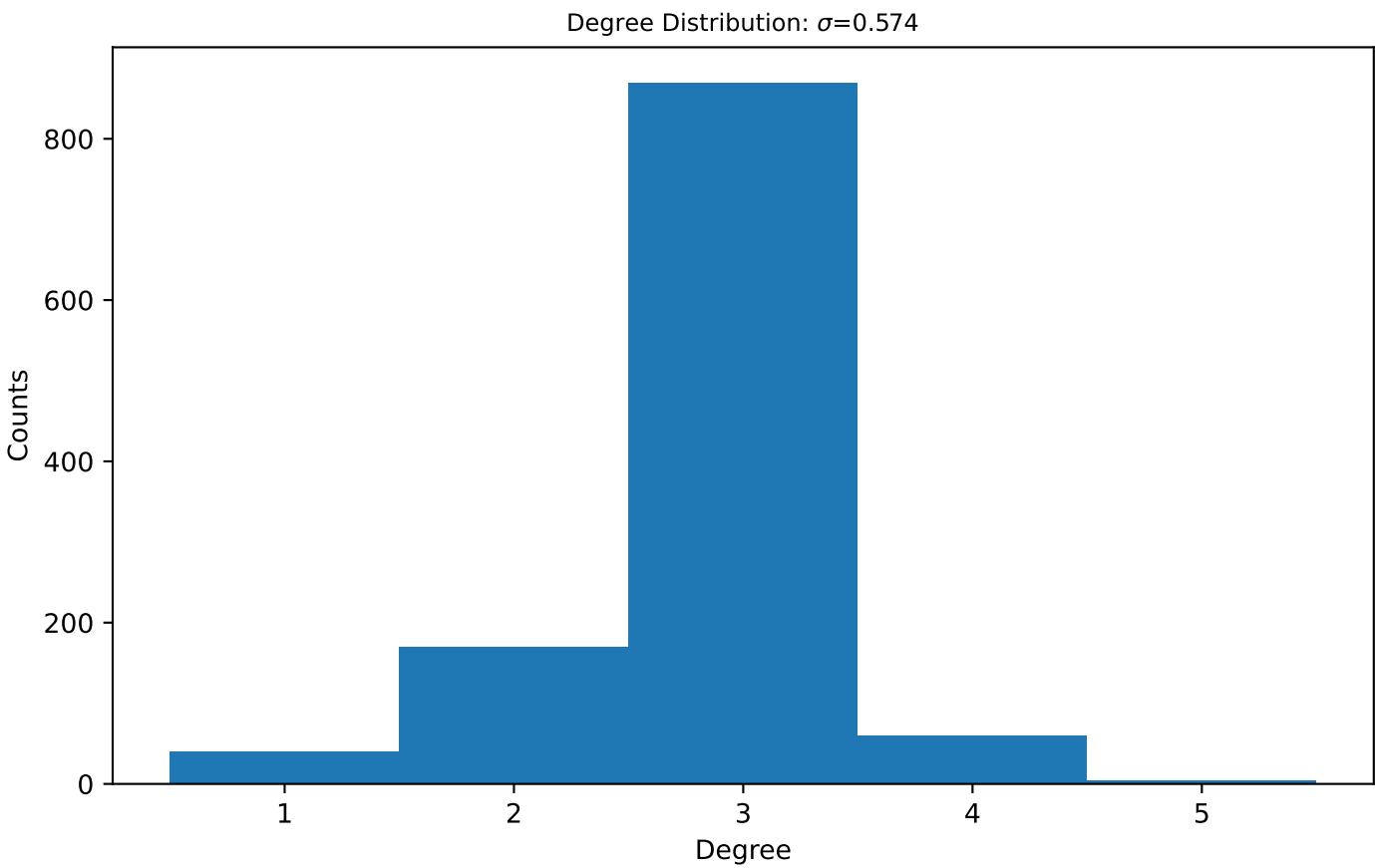


### Unweighted GT parameters

Number of nodes	1144.0
Number of edges	1625.0
Average edge angle (degrees)	153.303
Median edge angle (degrees)	83.48
Average degree	2.84091
Network diameter	67.0
Graph density	0.00249

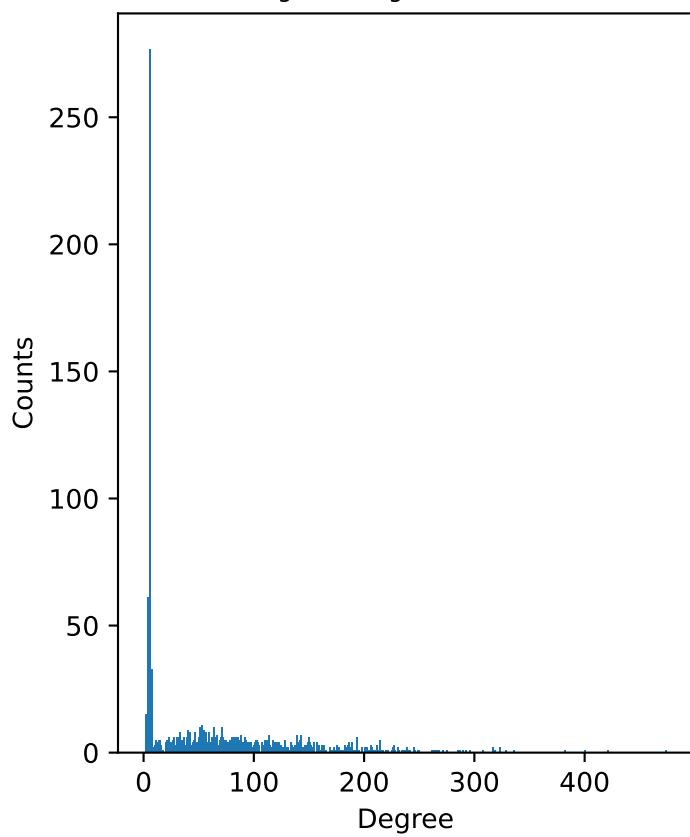
### Weighted GT parameters

Diameter-weighted average degree	68.6597
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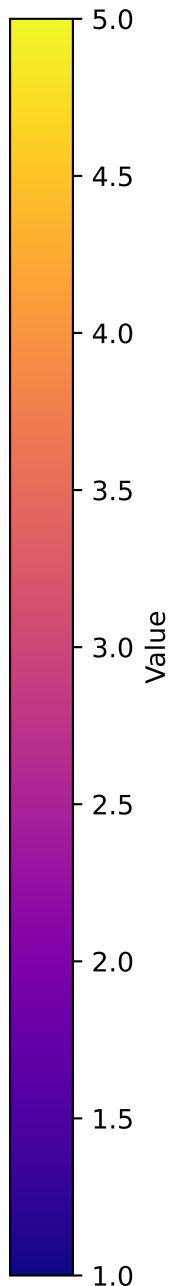
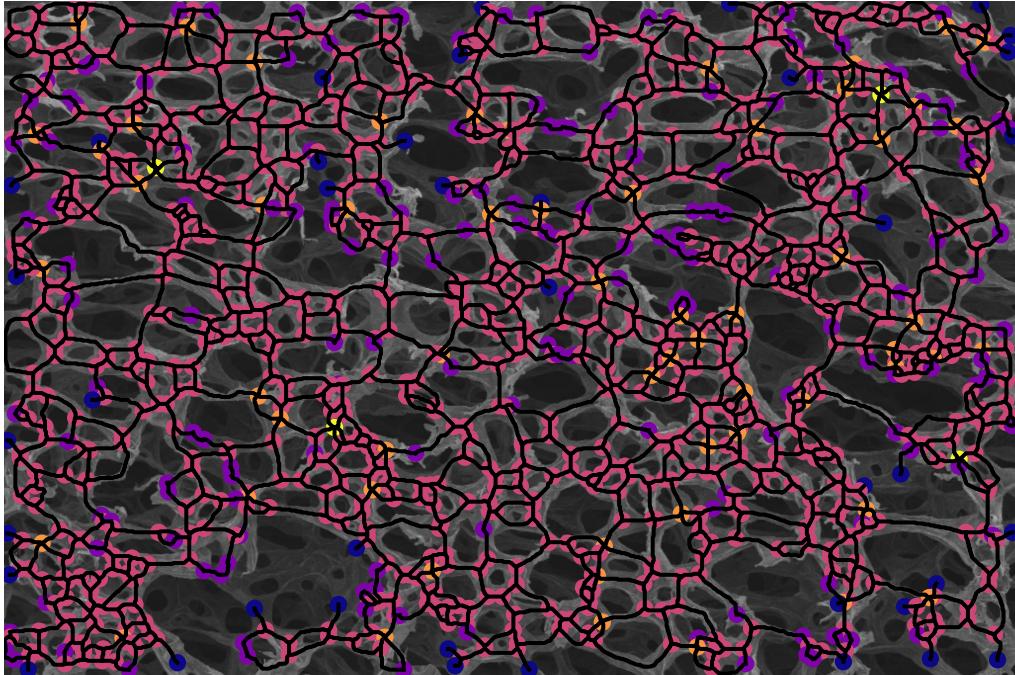




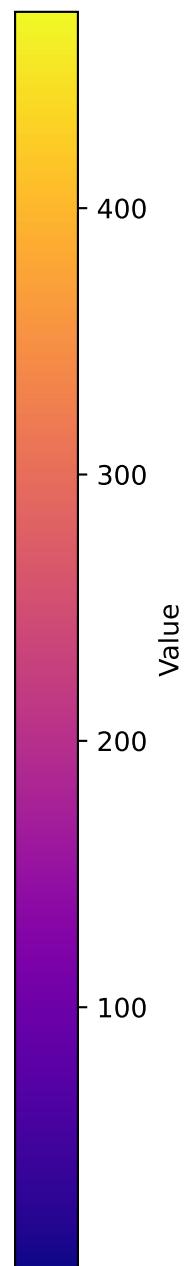
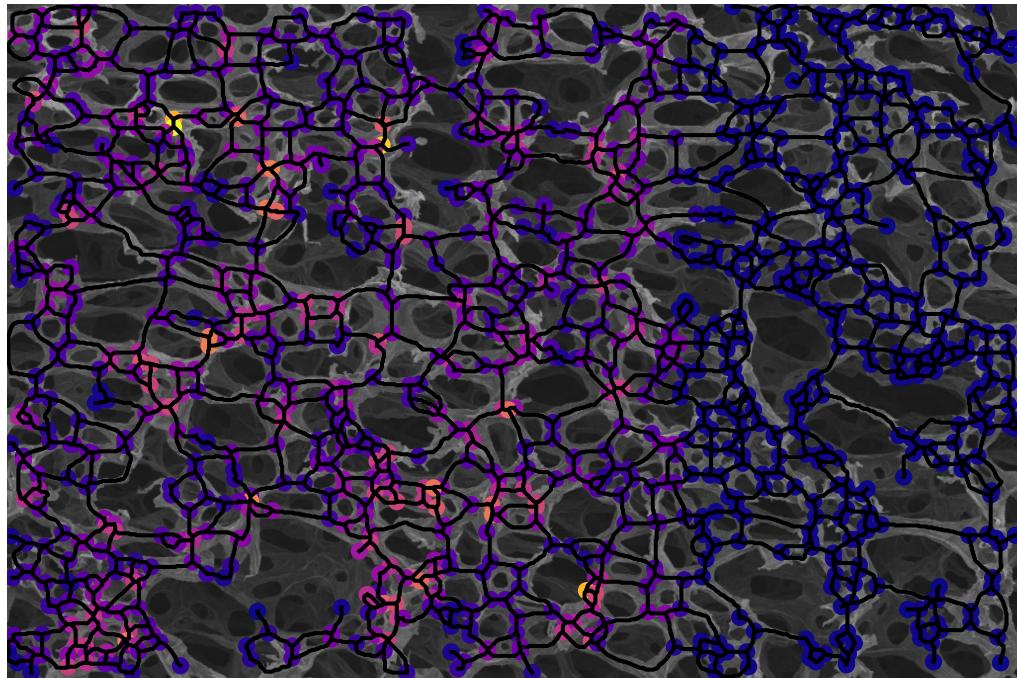
Weighted Degree:  $\sigma=73.154$



Degree Heatmap



Weighted Degree Heatmap



## Run Info

a (2).jpg  
2025-06-05 16:29:17

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\*\*\*Image Filter Configurations\*\*\*  
Global Threshold (54.0) || Gamma = 0.85  
    Gaussian Blur, 5.0 bit kernel  
    Low-pass filter, 3 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 = 0.8159362549800797

\*\*\*Graph Extraction Configurations\*\*\*  
Weight Type: Diameter || Merge Nodes || Prune Dangling Edges  
    Remove Objects of Size = 500 || Remove Self Loops