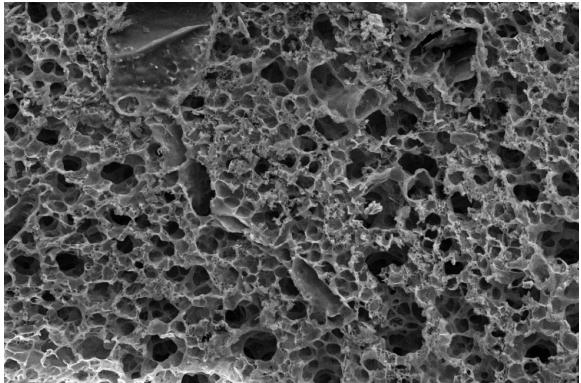
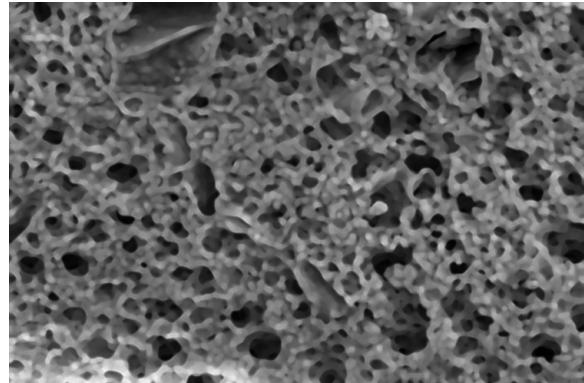


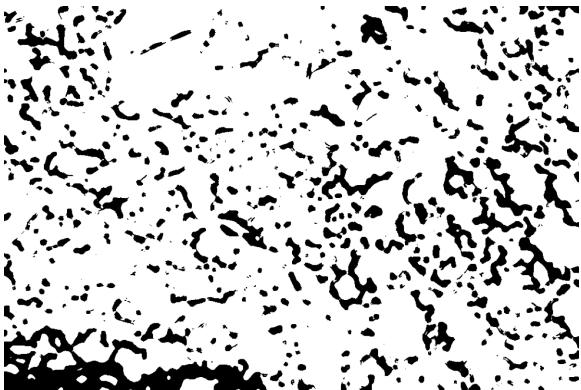
Original Image



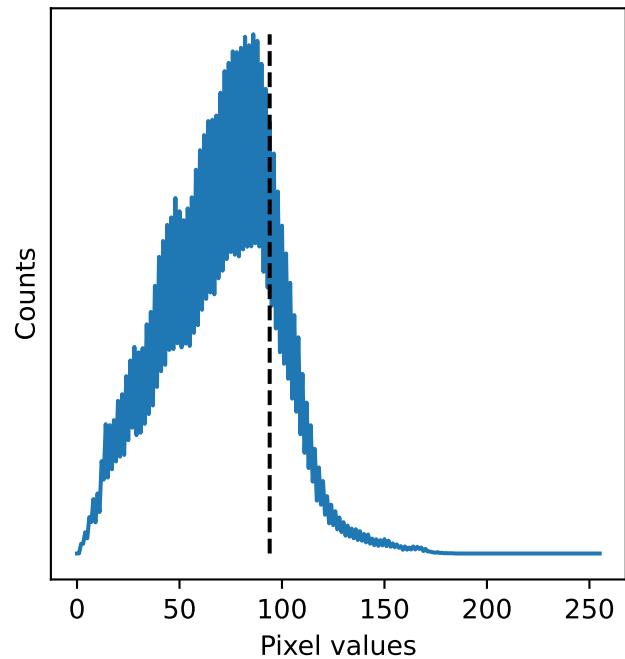
Processed Image



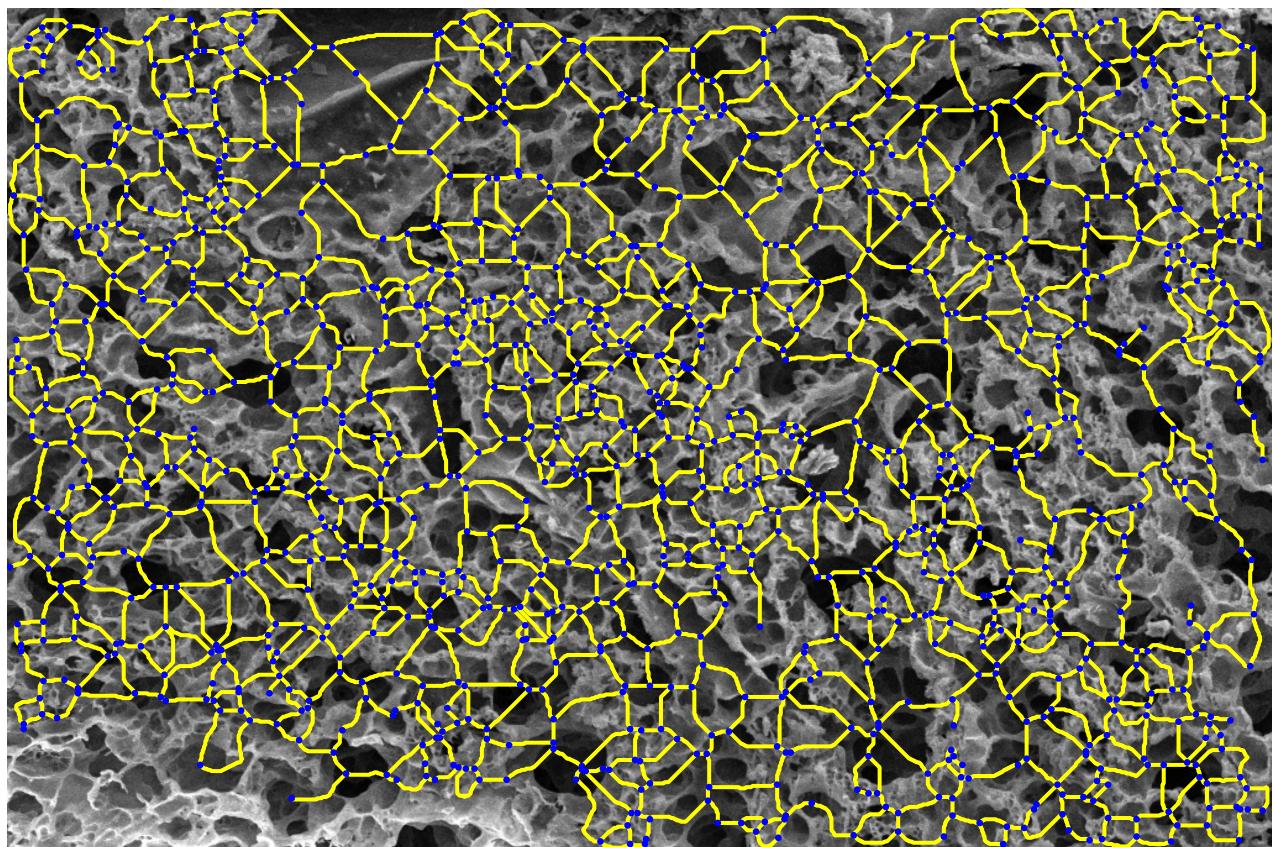
Binary Image



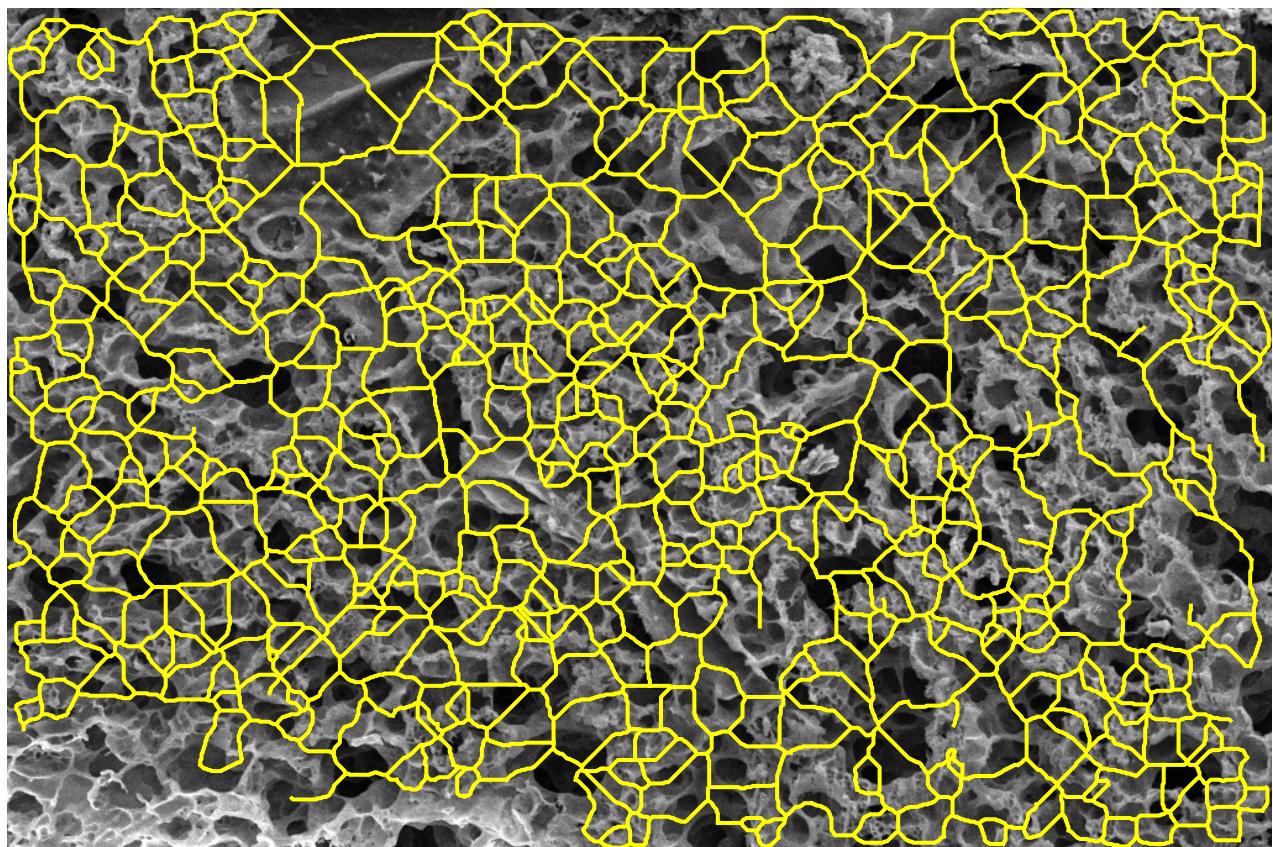
Histogram of Processed Image



Graph Node Plot



Graph Edge Plot



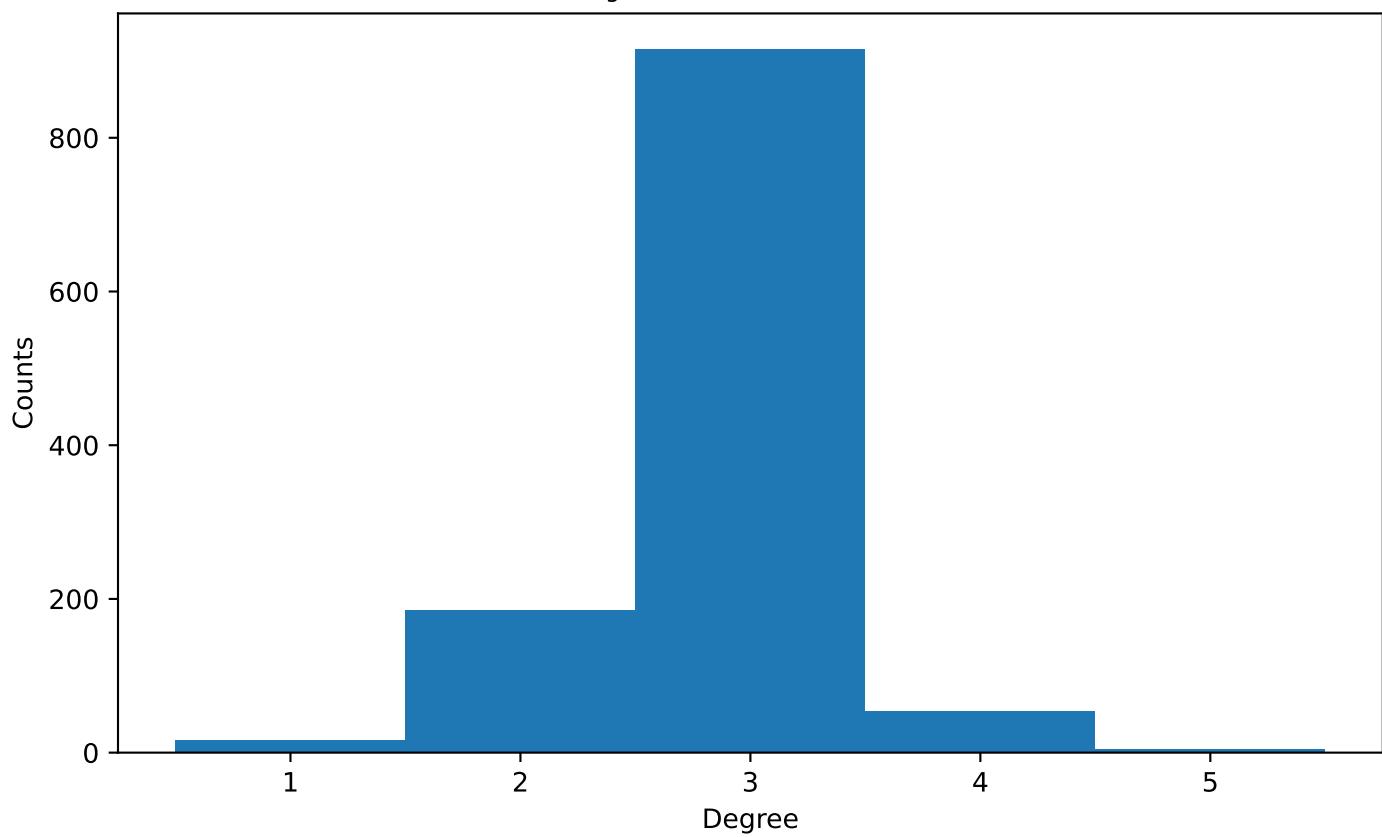
### Unweighted GT parameters

Number of nodes	1176.0
Number of edges	1686.0
Average edge angle (degrees)	158.745
Median edge angle (degrees)	85.514
Average degree	2.86735
Network diameter	64.0
Graph density	0.00244

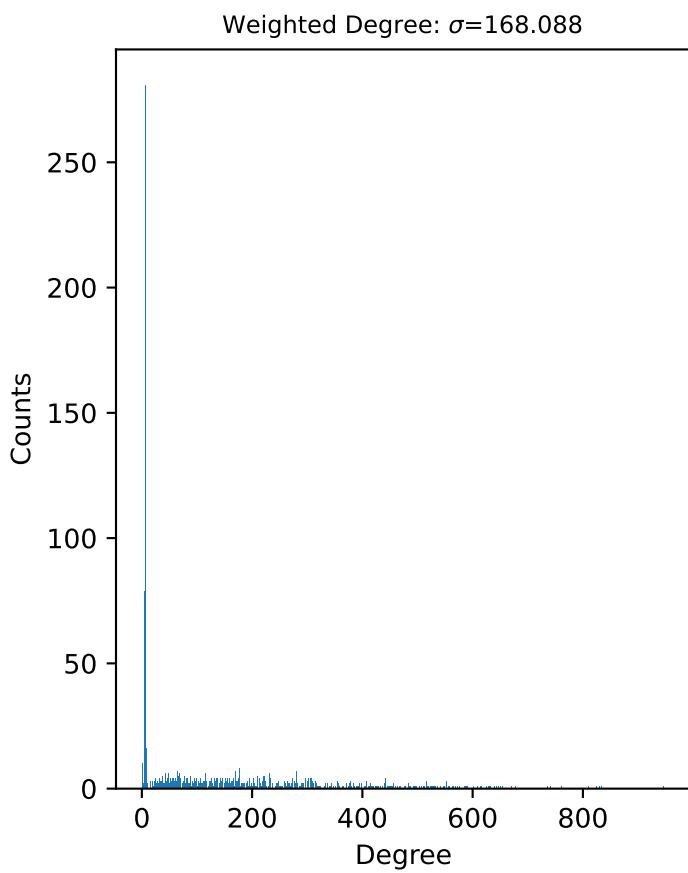
### Weighted GT parameters

Diameter-weighted average degree	149.1421
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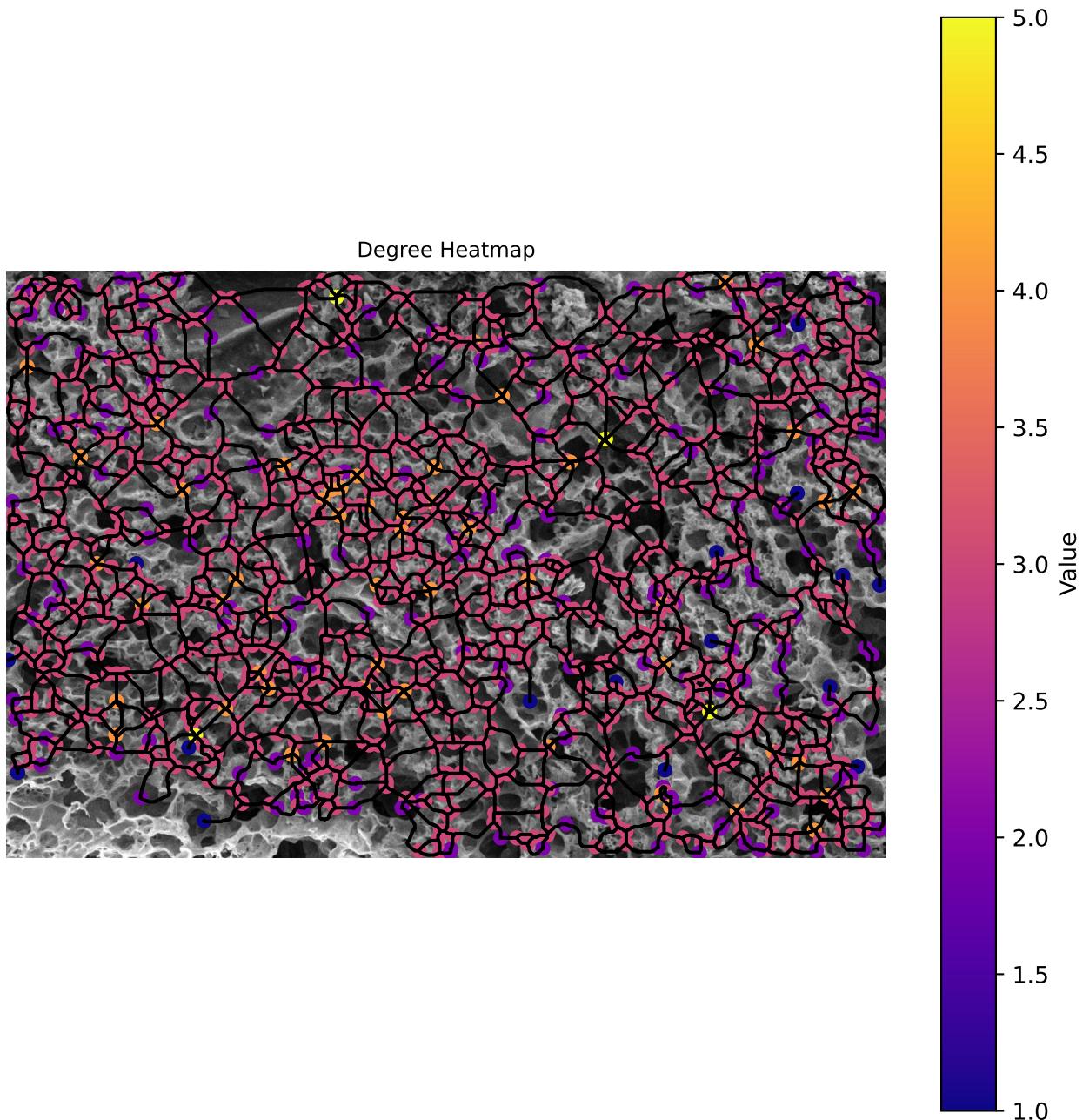
Degree Distribution:  $\sigma=0.505$



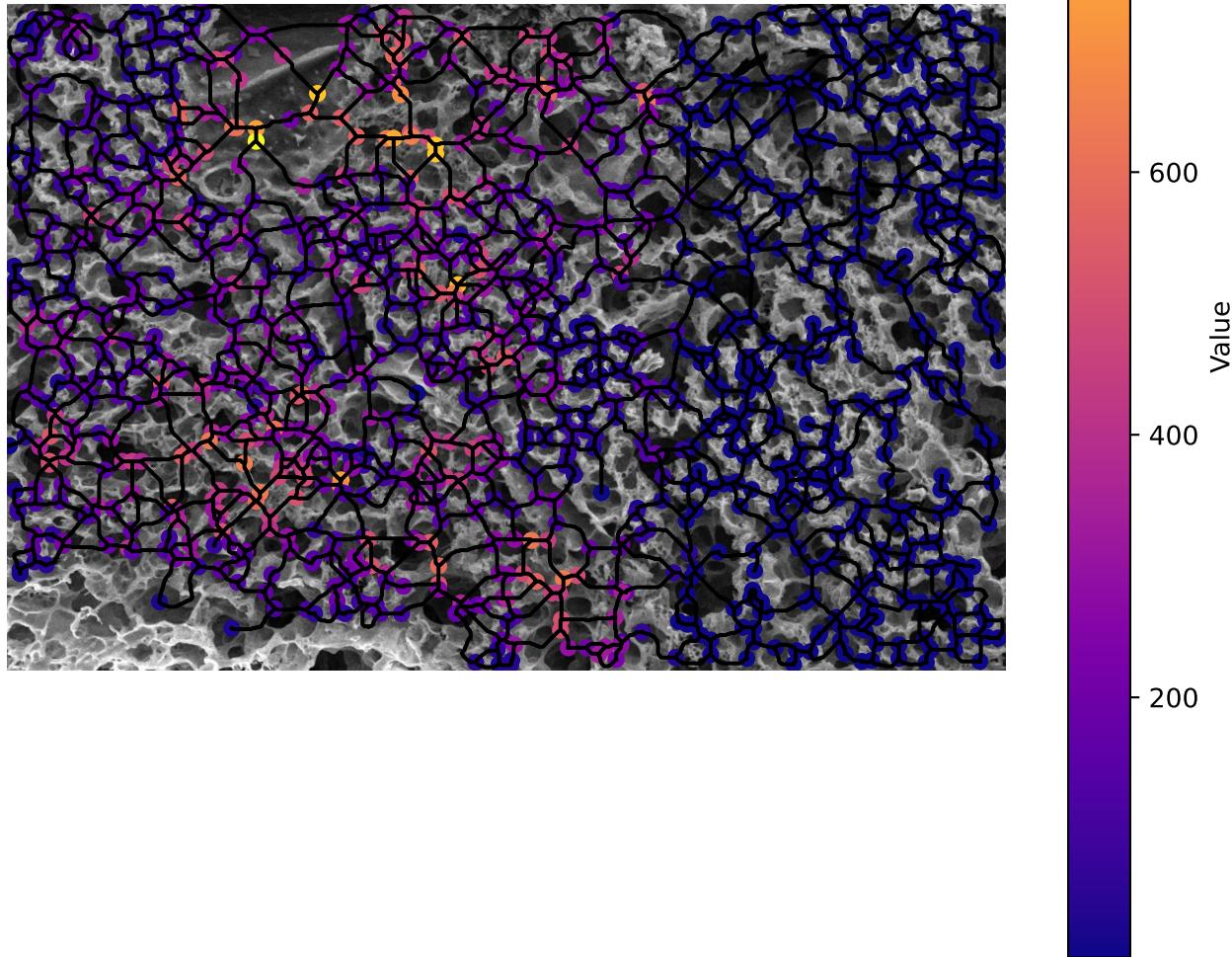




Degree Heatmap



Weighted Degree Heatmap



## Run Info

j (5).tif  
2025-06-04 18:29:09

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\*\*\*Image Filter Configurations\*\*\*  
Global Threshold (94.0) || Gamma = 1.05  
Median Filter || Gaussian Blur, 5.0 bit kernel  
Dark Foreground || Sobel Gradient || 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 = 0.6666666666666666

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