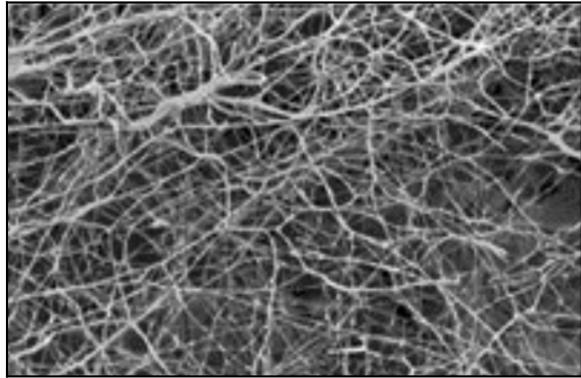
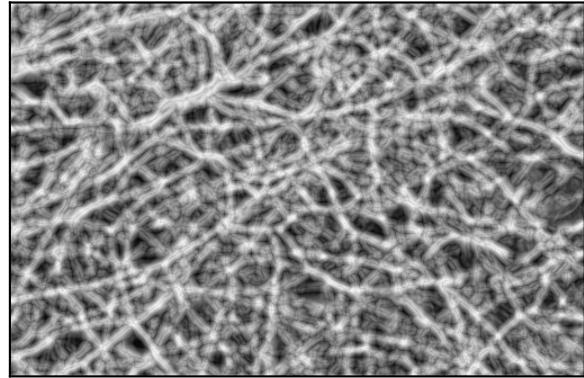


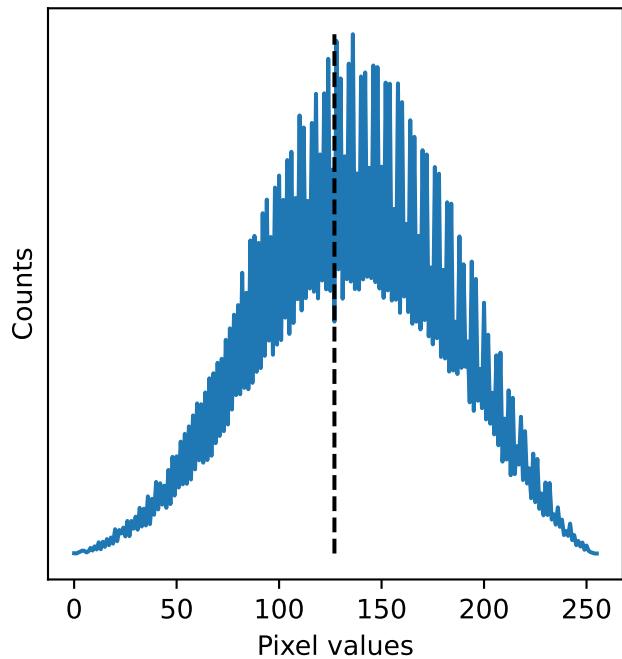
Original Image



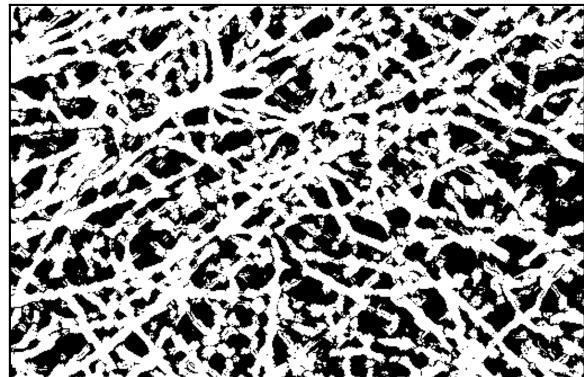
Processed Image



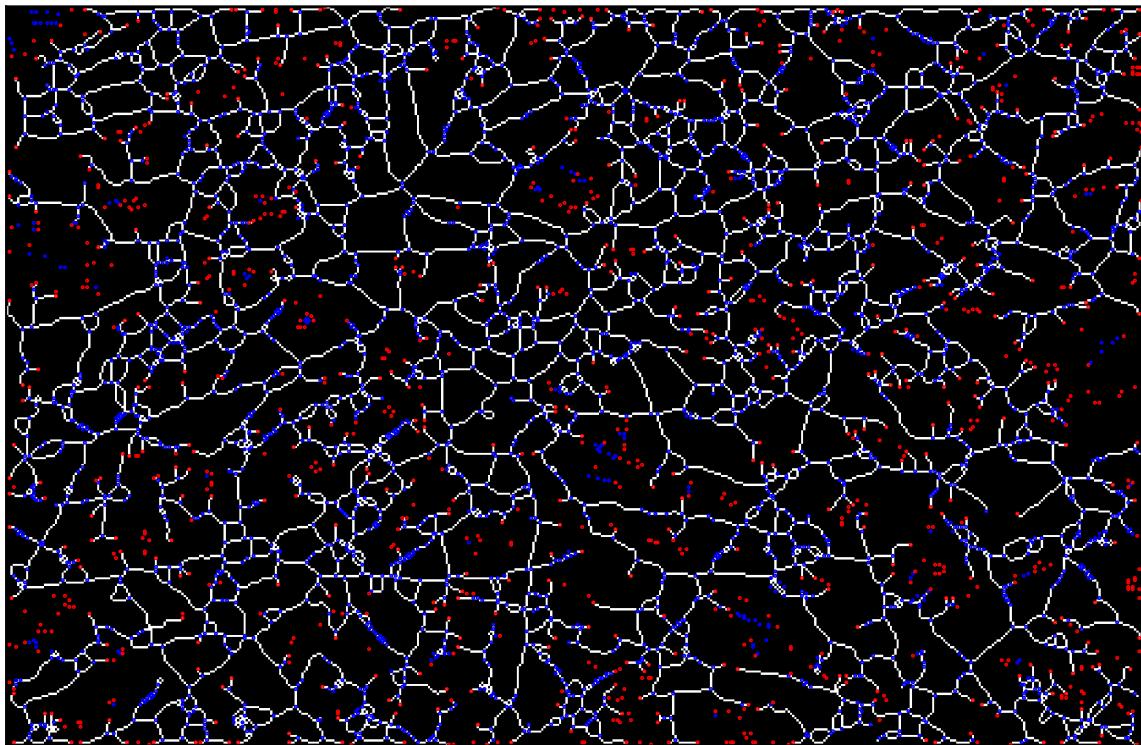
Histogram of Processed Image



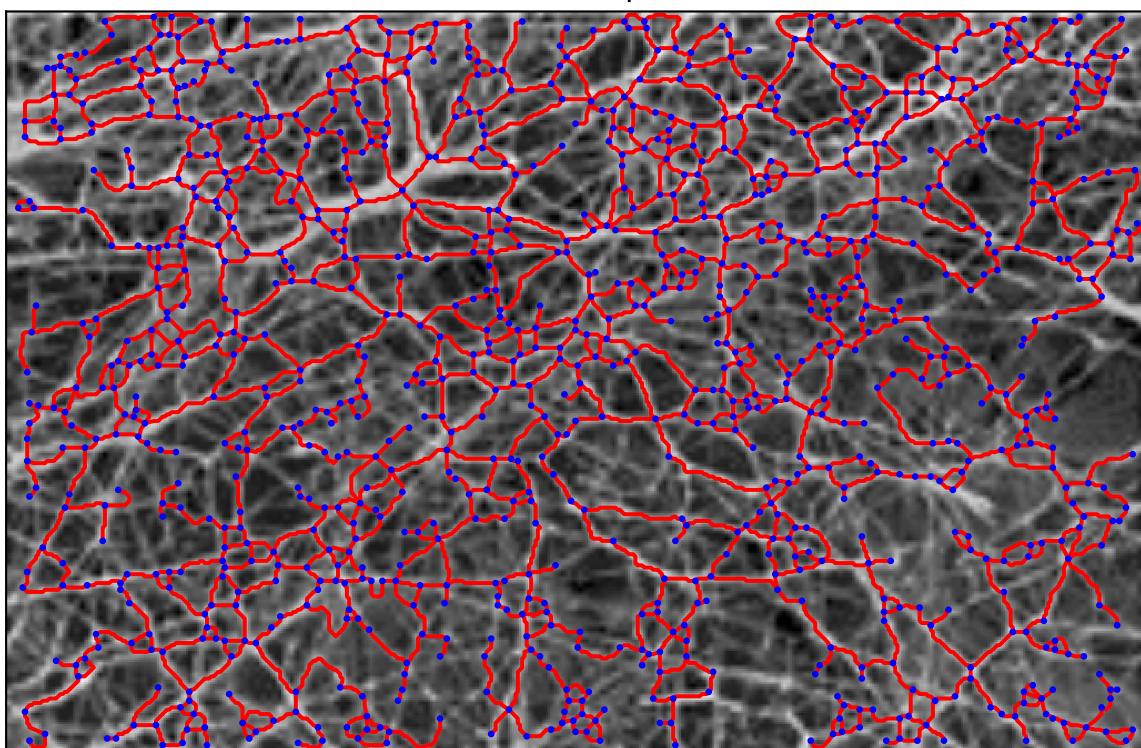
Binary Image



Skeletal Image



Final Graph



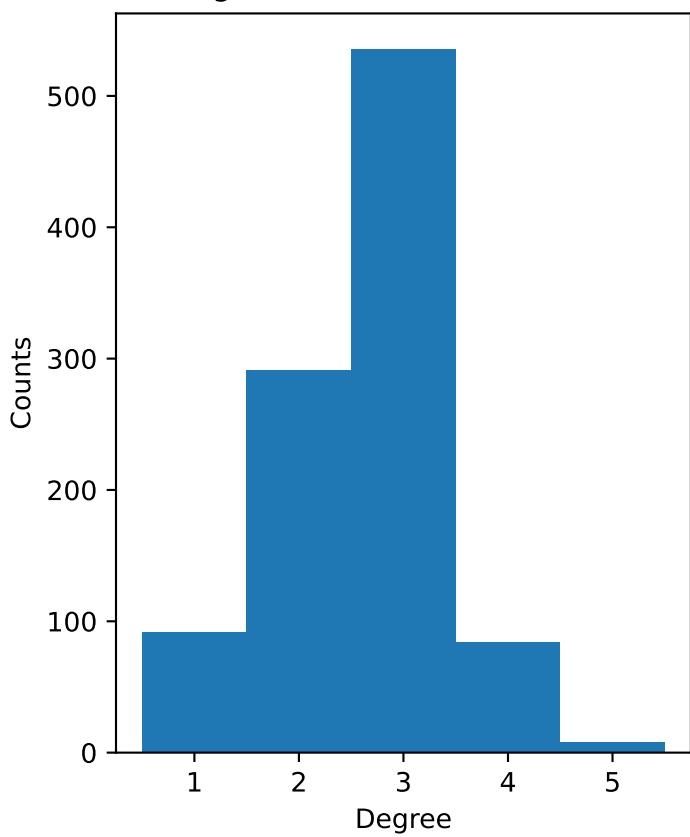
### Unweighted GT parameters

Number of nodes	1011
Number of edges	1329
Connectedness ratio	100.0%
Average degree	2.62908
Network diameter	65
Average node connectivity	1.78675
Graph density	0.0026
Global efficiency	0.05813
Wiener Index	12715544.0
Assortativity coefficient	-0.00149
Average clustering coefficient	0.08075
Average betweenness centrality	0.02369
Average eigenvector centrality	0.00567
Average closeness centrality	0.04157

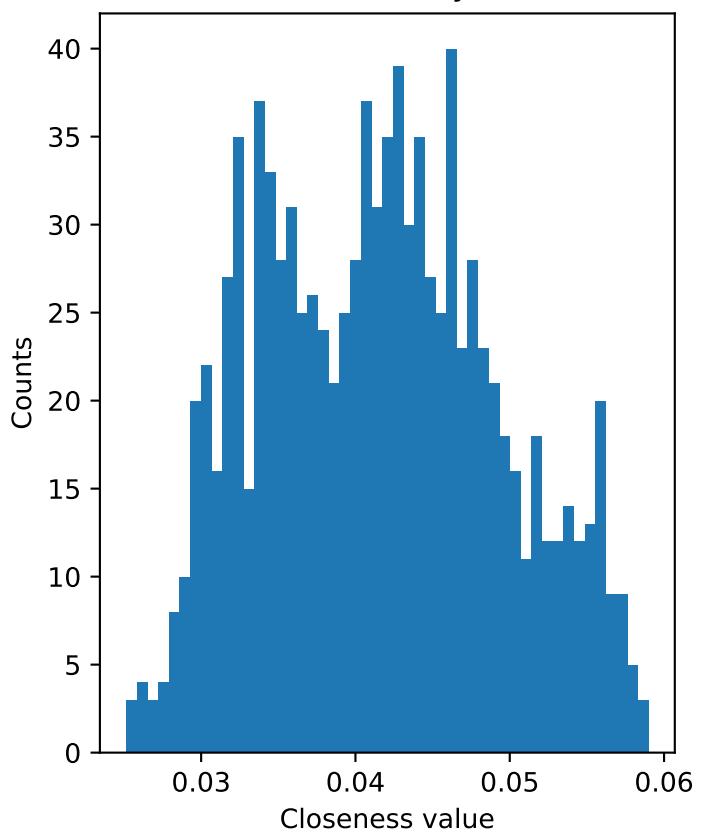
### Weighted GT Parameters

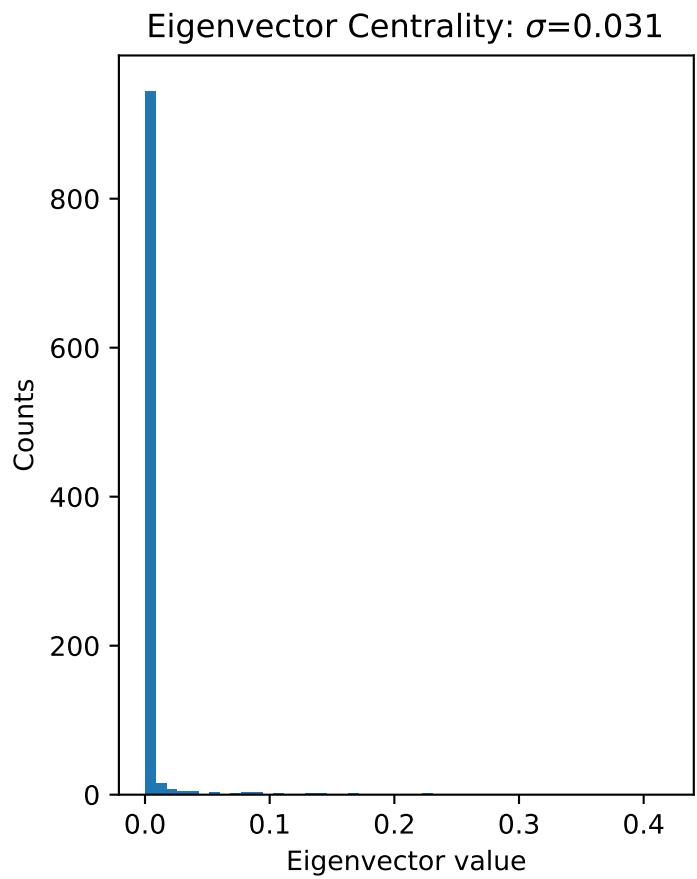
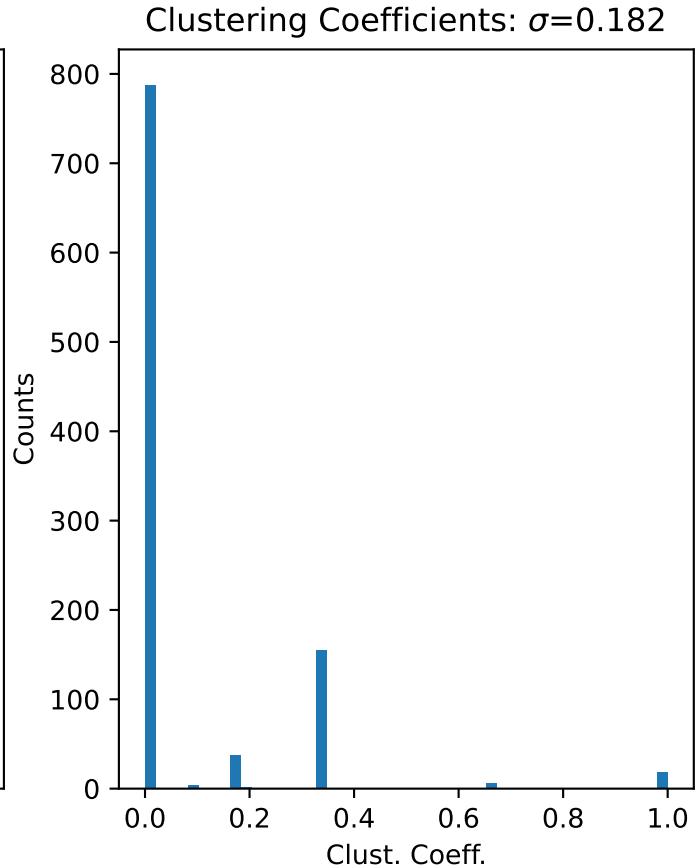
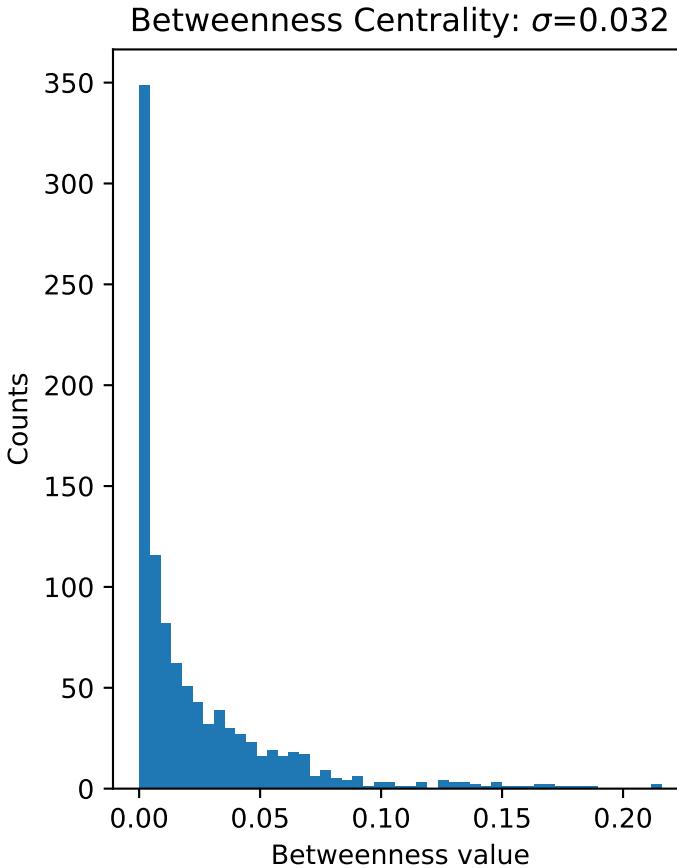
Weighted average degree	2.83799
Length-weighted Wiener Index	155345836.9
Max flow between periphery	0.14142
Weighted assortativity coefficient	0.43249
Width-weighted average betweenness centrality	0.02446
Length-weighted average closeness centrality	0.0034
Width-weighted average eigenvector centrality	0.00266

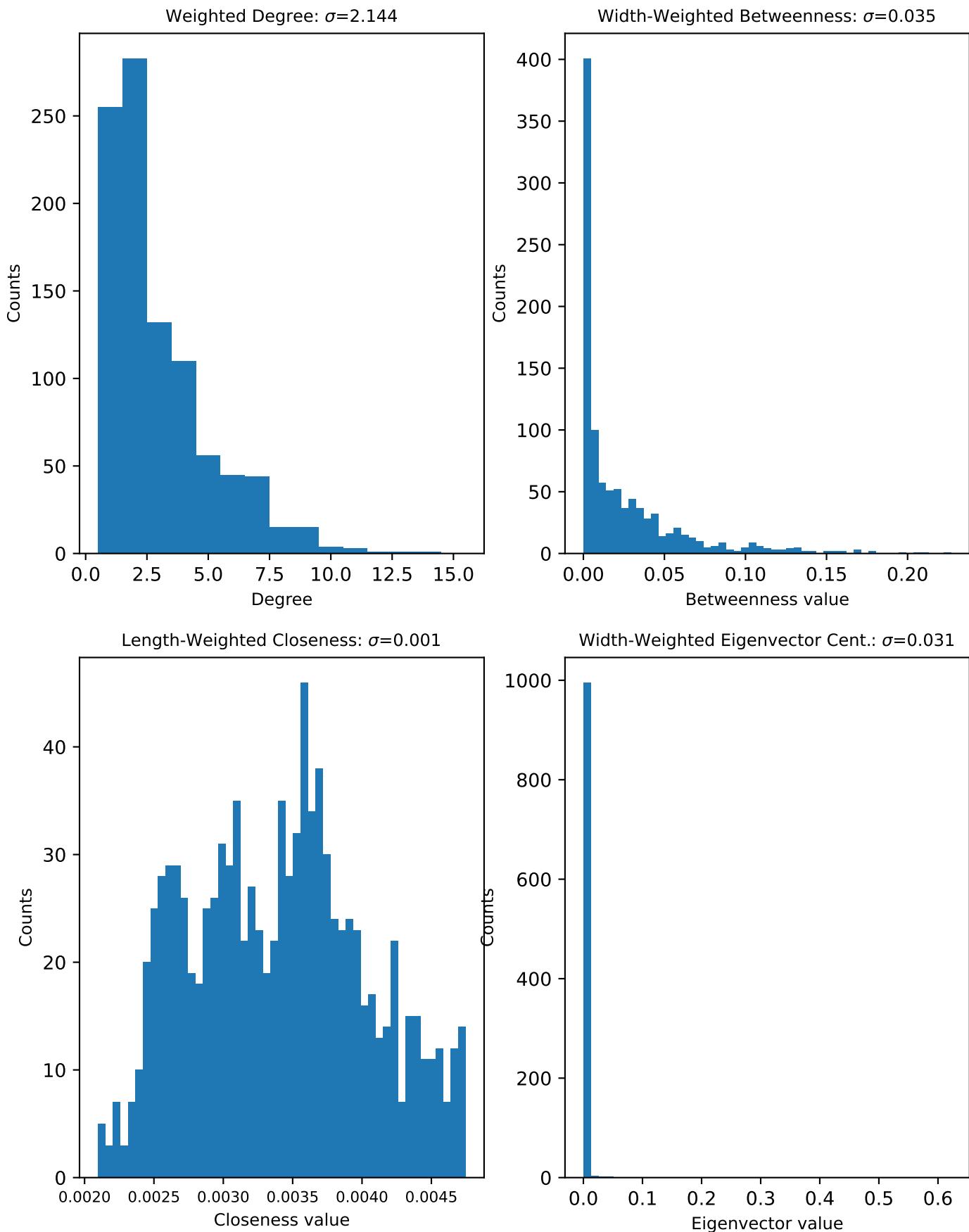
Degree Distribution:  $\sigma=0.793$



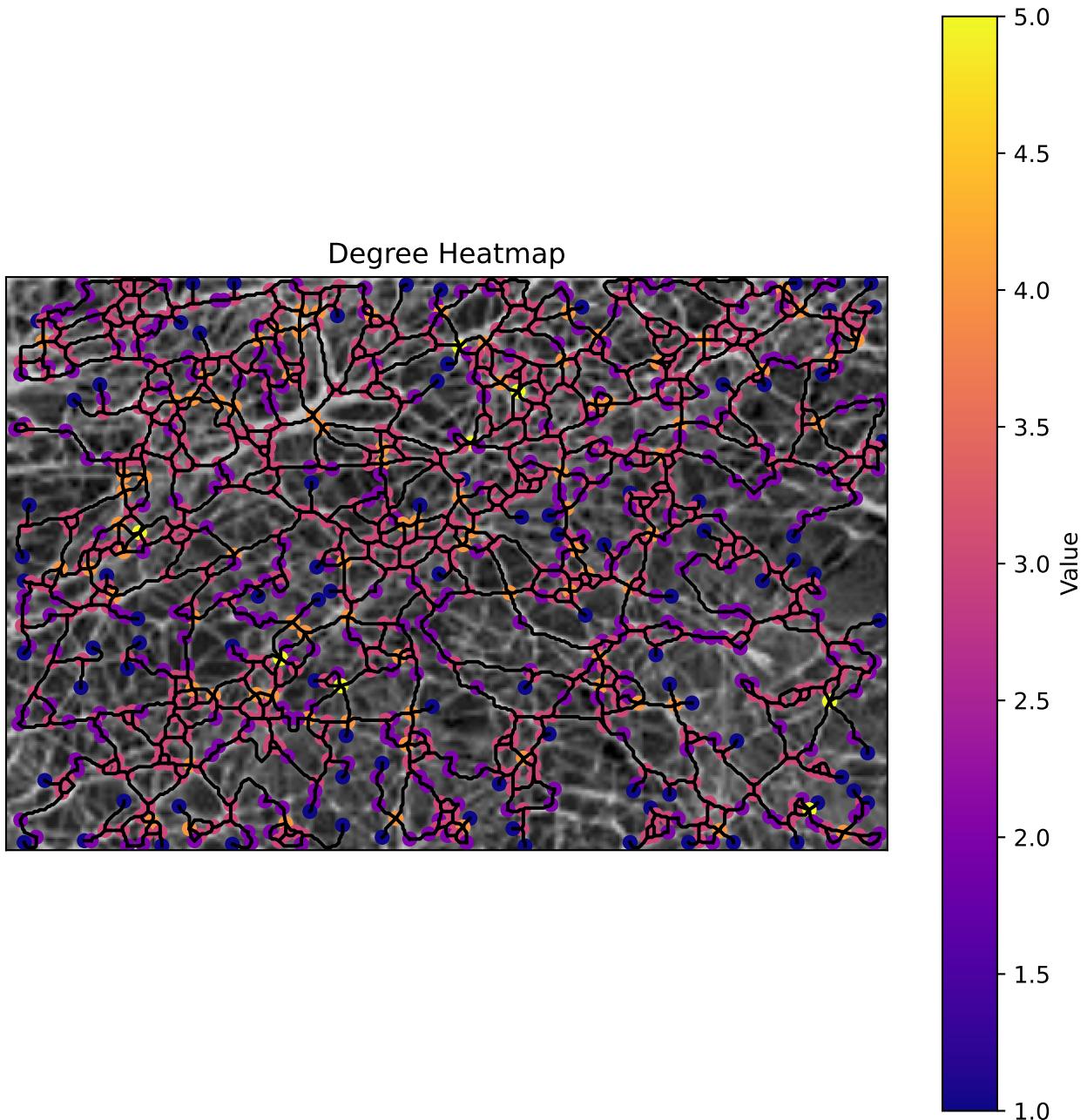
Closeness Centrality:  $\sigma=0.008$



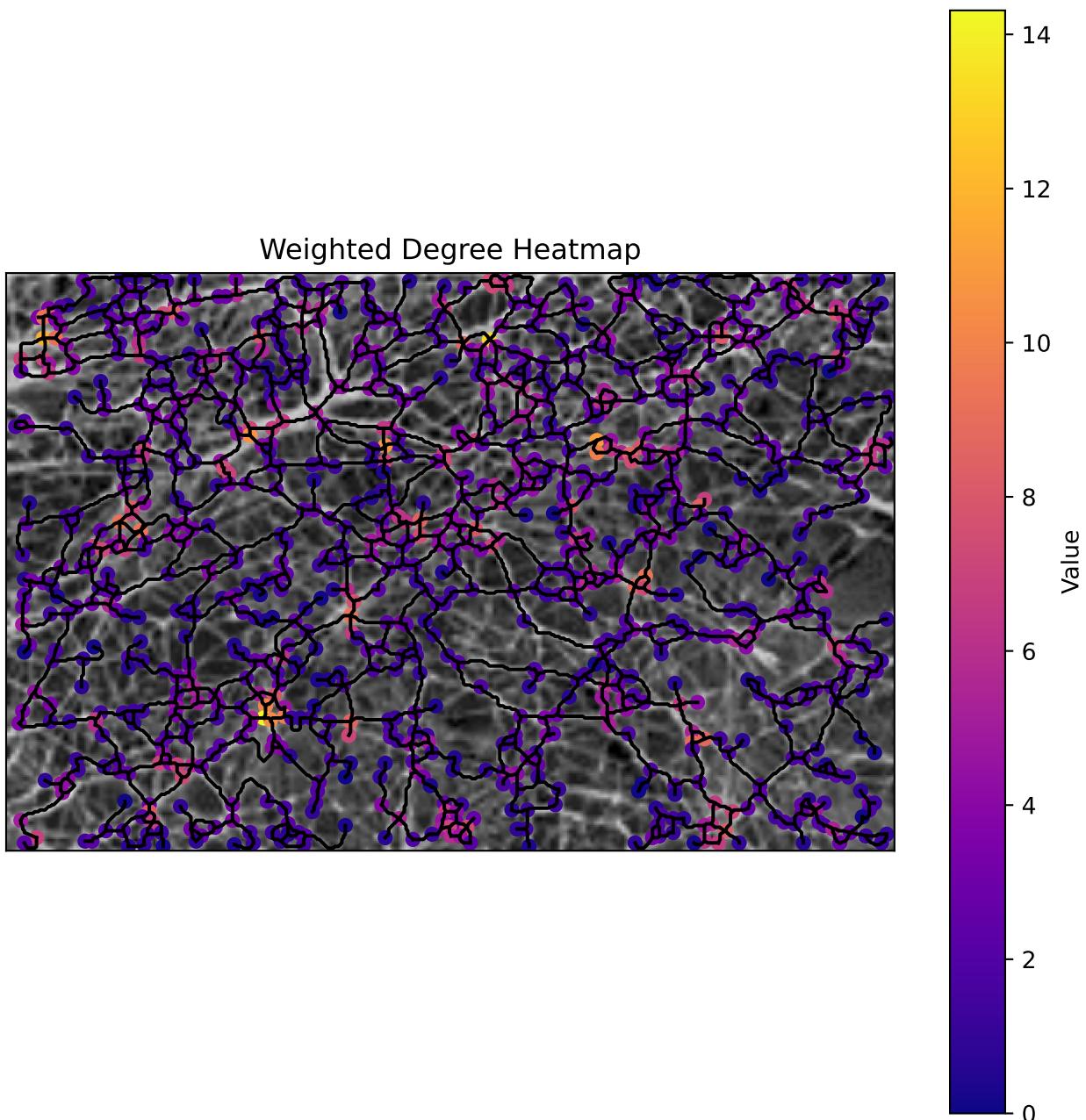




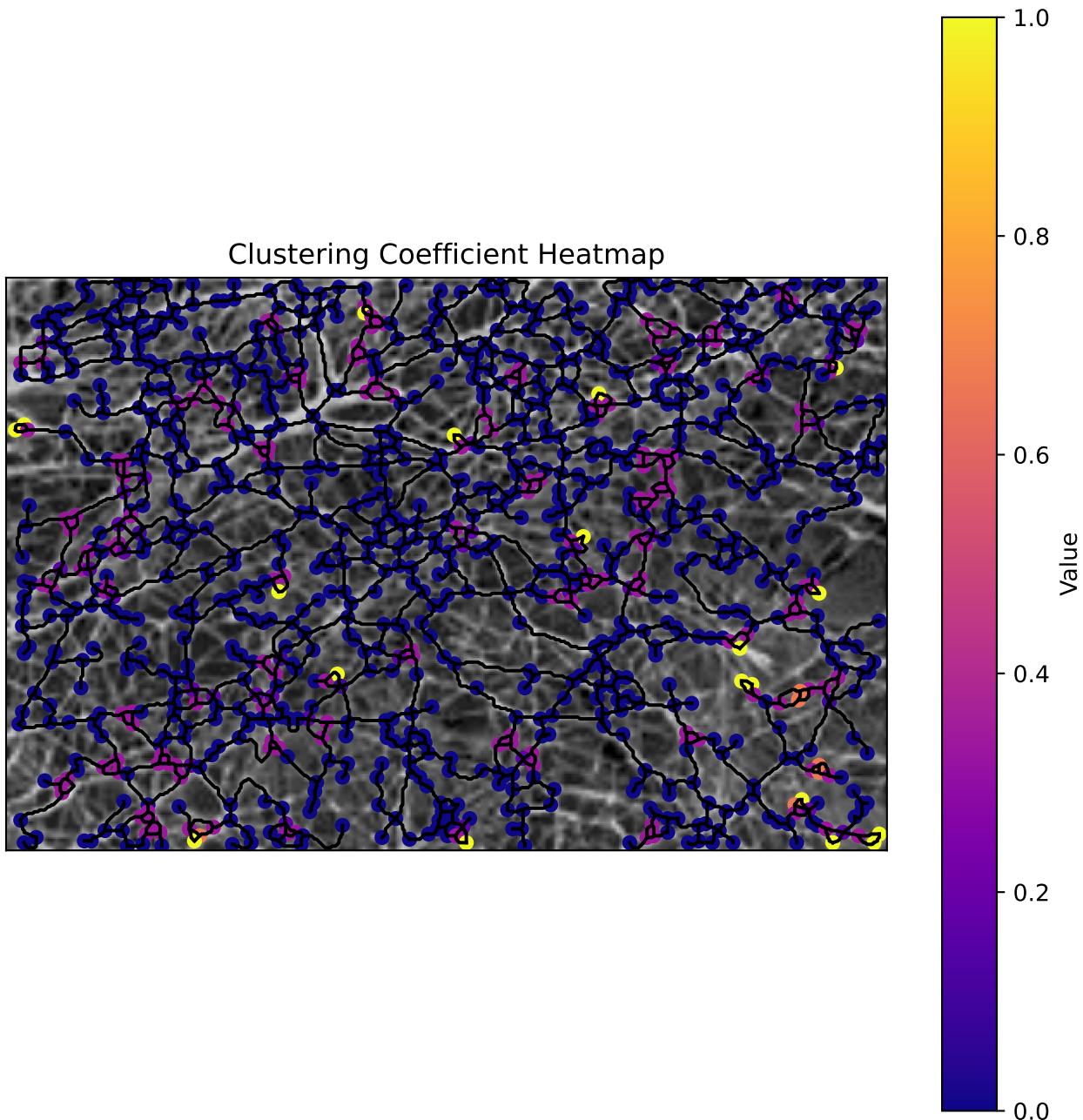
Degree Heatmap



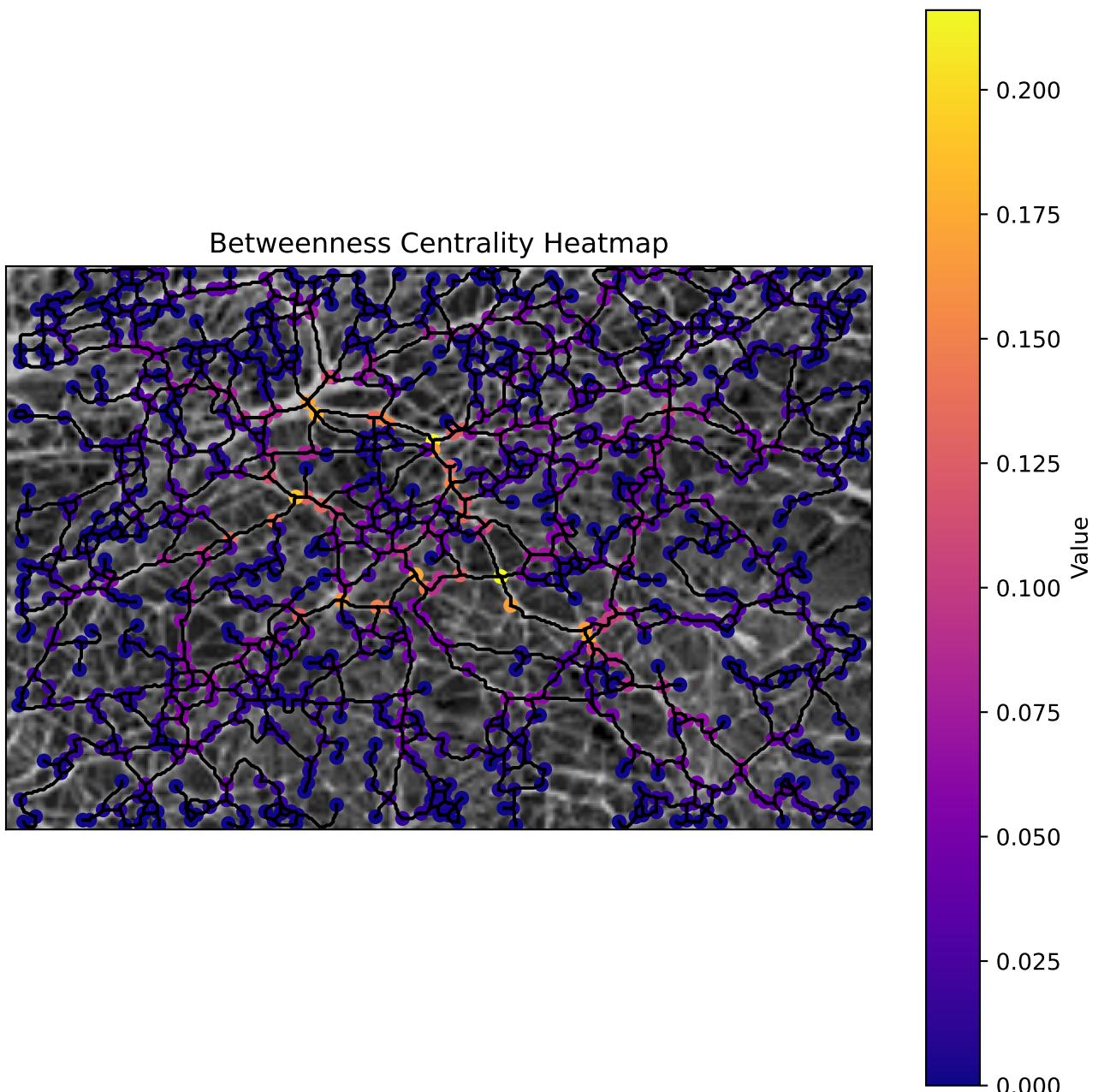
Weighted Degree Heatmap



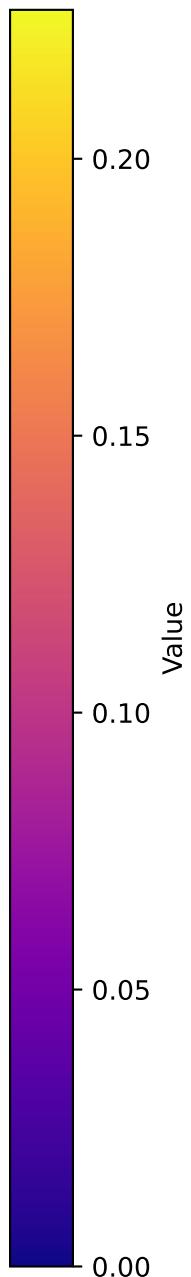
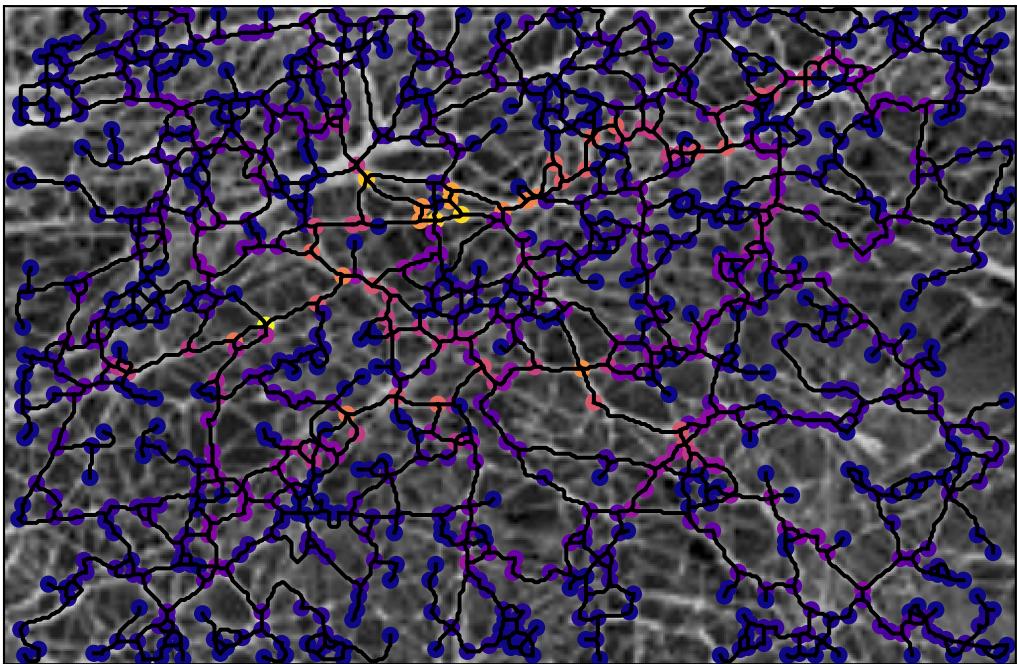
Clustering Coefficient Heatmap



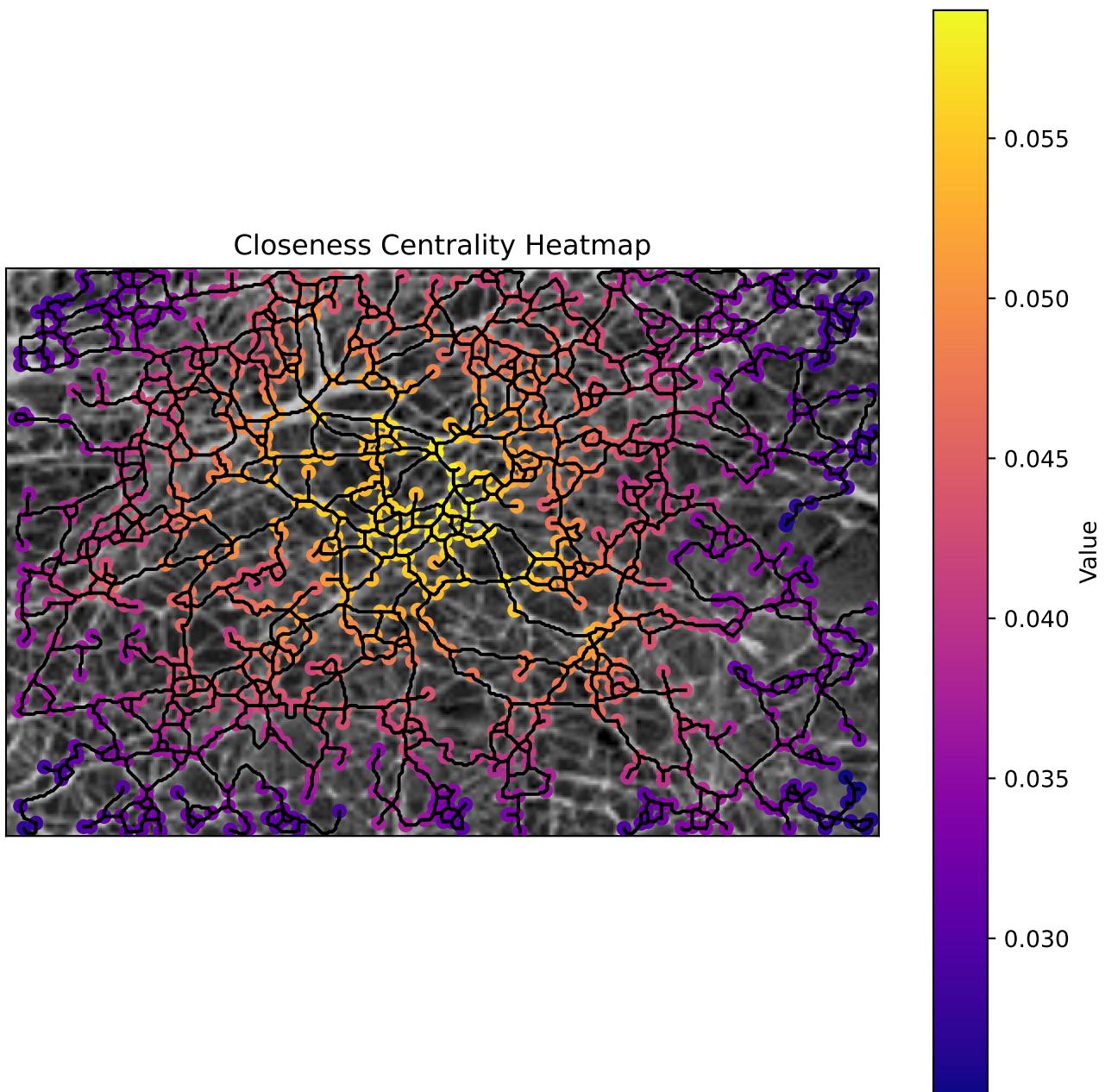
Betweenness Centrality Heatmap



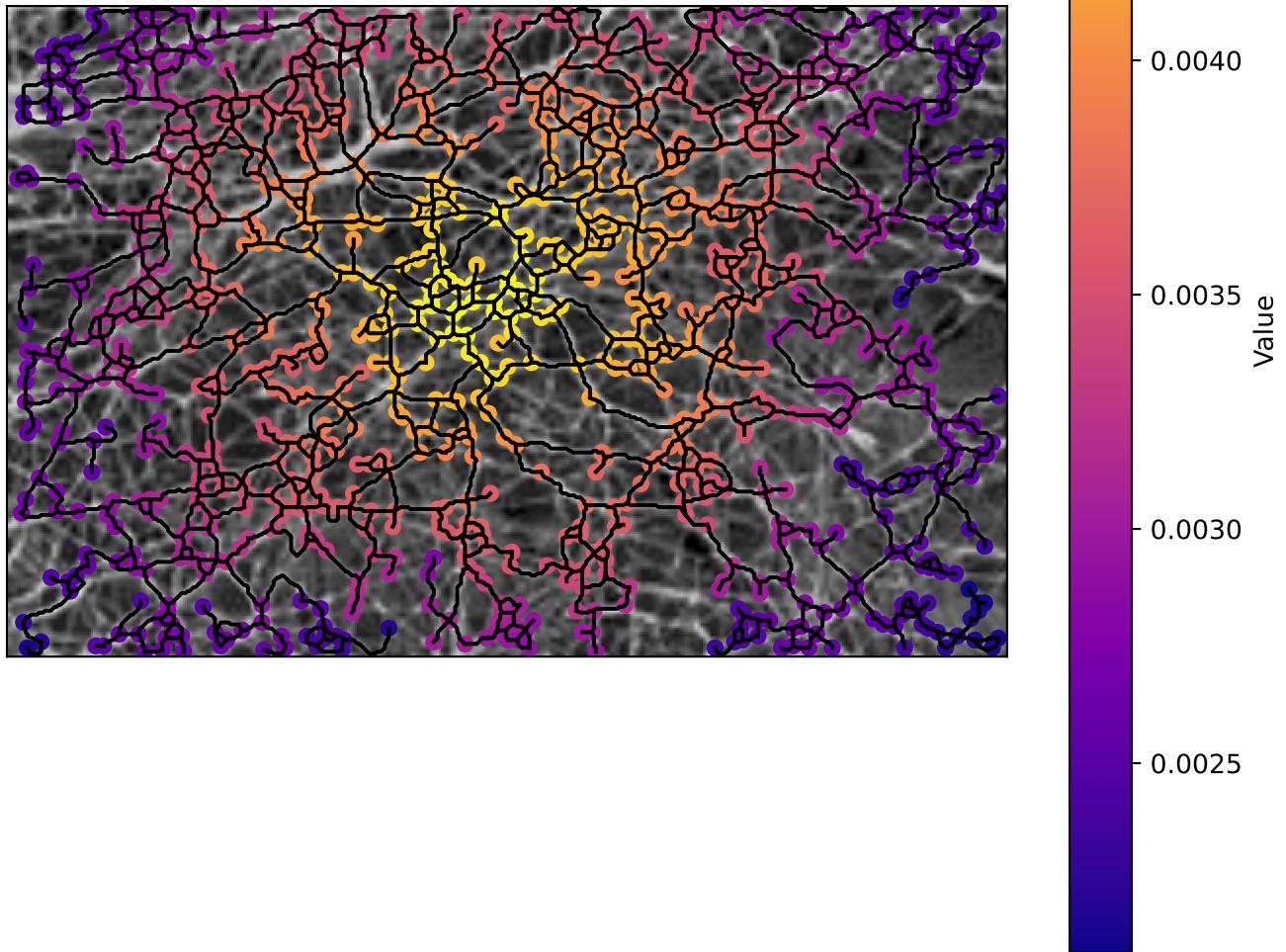
Width-Weighted Betweenness Centrality Heatmap



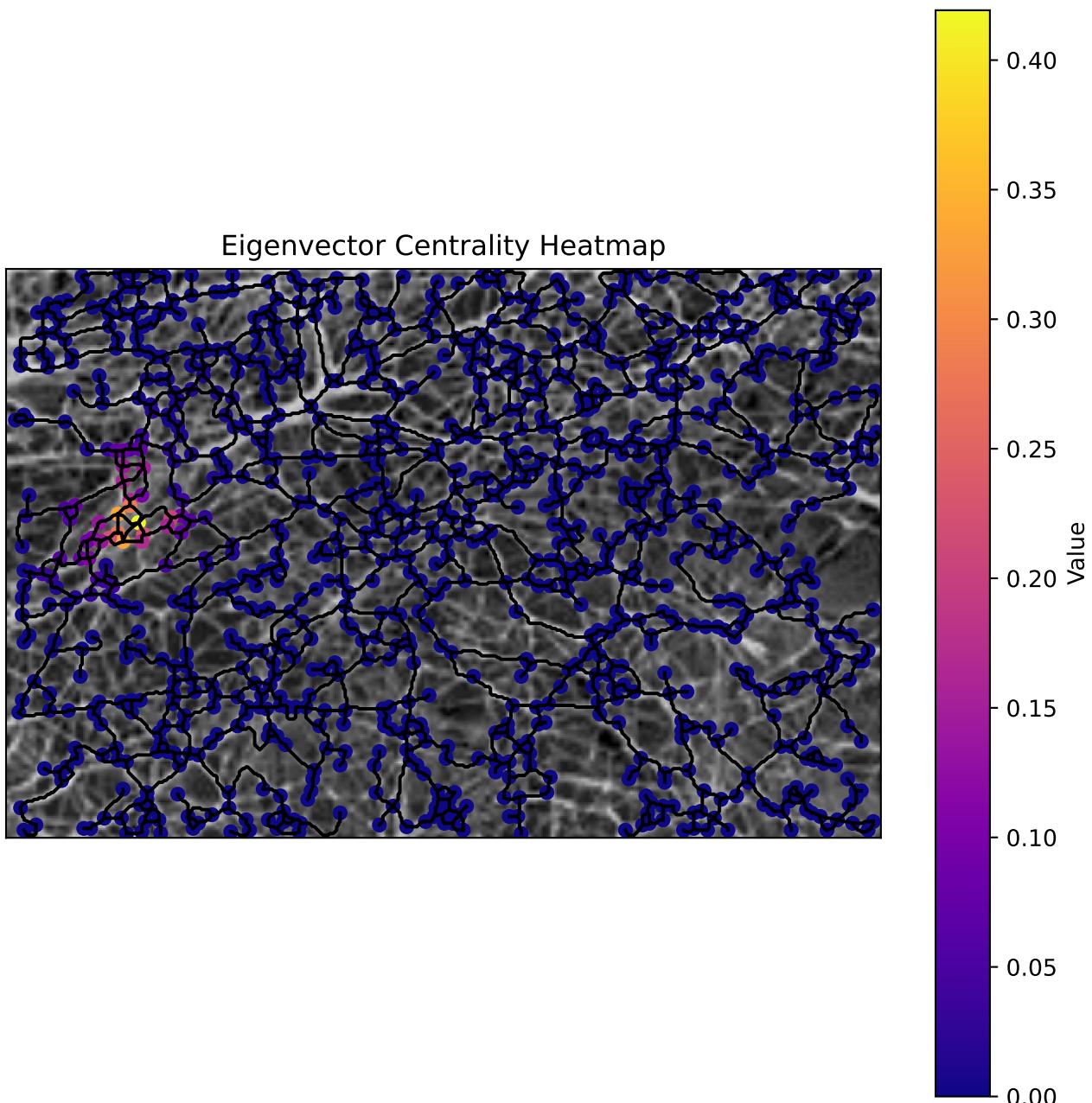
Closeness Centrality Heatmap



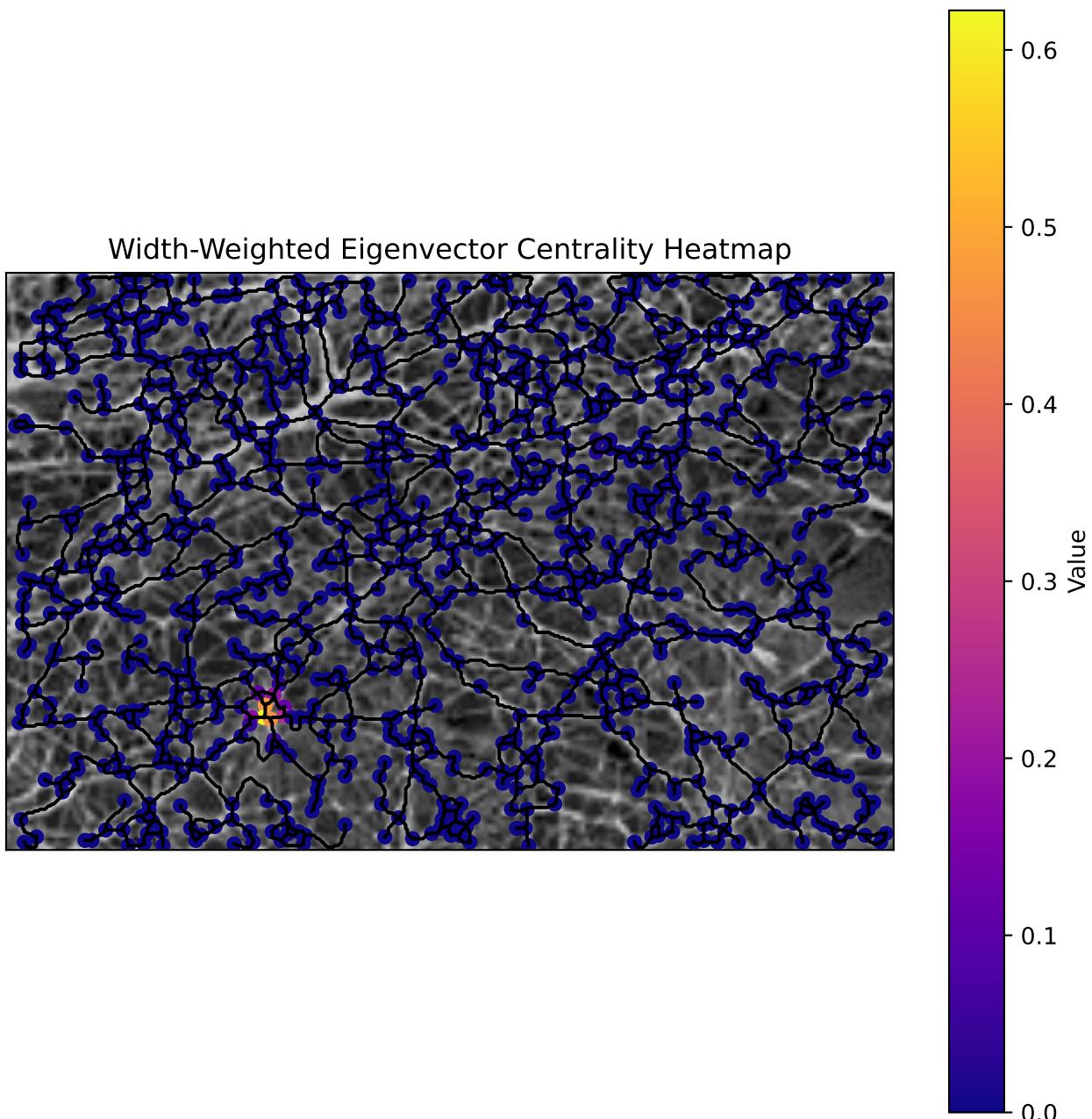
Length-Weighted Closeness Centrality Heatmap



Eigenvector Centrality Heatmap



Width-Weighted Eigenvector Centrality Heatmap



Run Info

./examples/mycelium\_hyphae.png || 2024-02-13 10:28:36  
|| Global Threshold (127) || Autolevel || Scharr Gradient || Low-pass filterNone  
|| Merge Nodes || Prune Dangling Edges || Remove Objects of Size 500 || Remove Self Loops