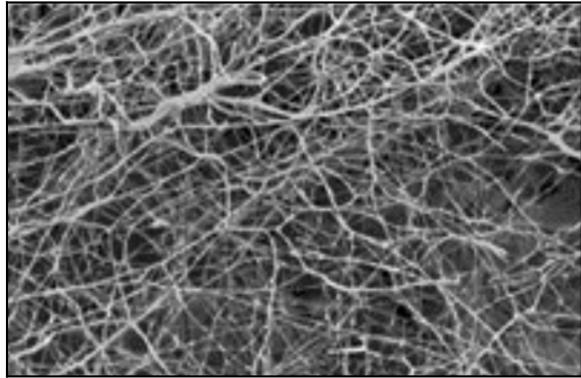
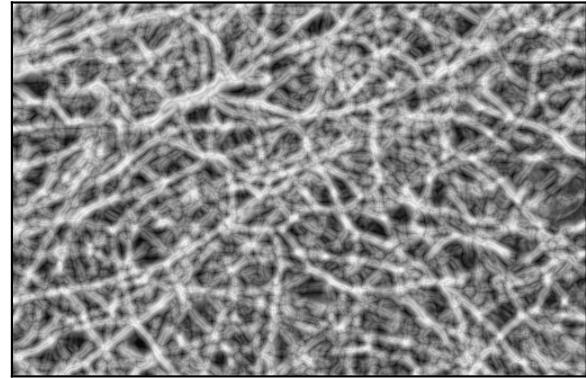


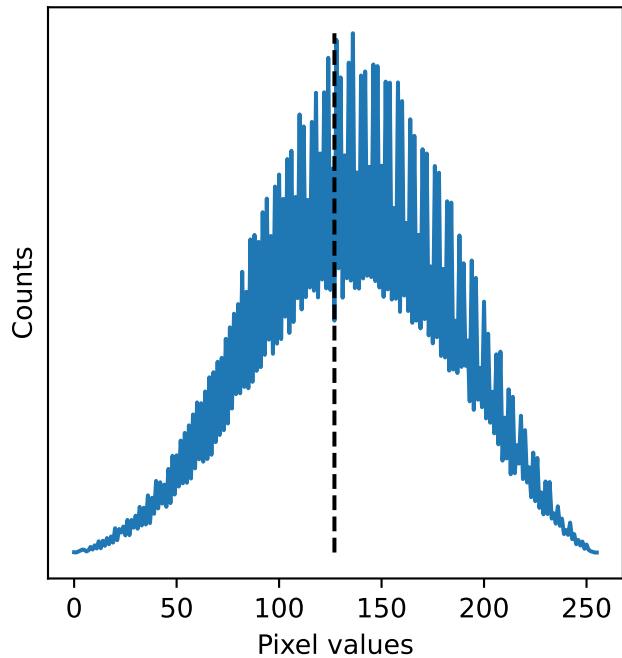
Original Image



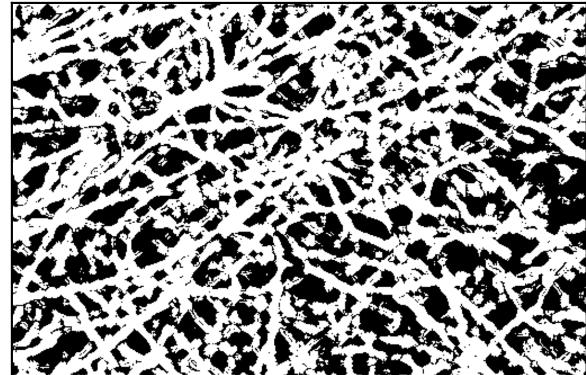
Processed Image



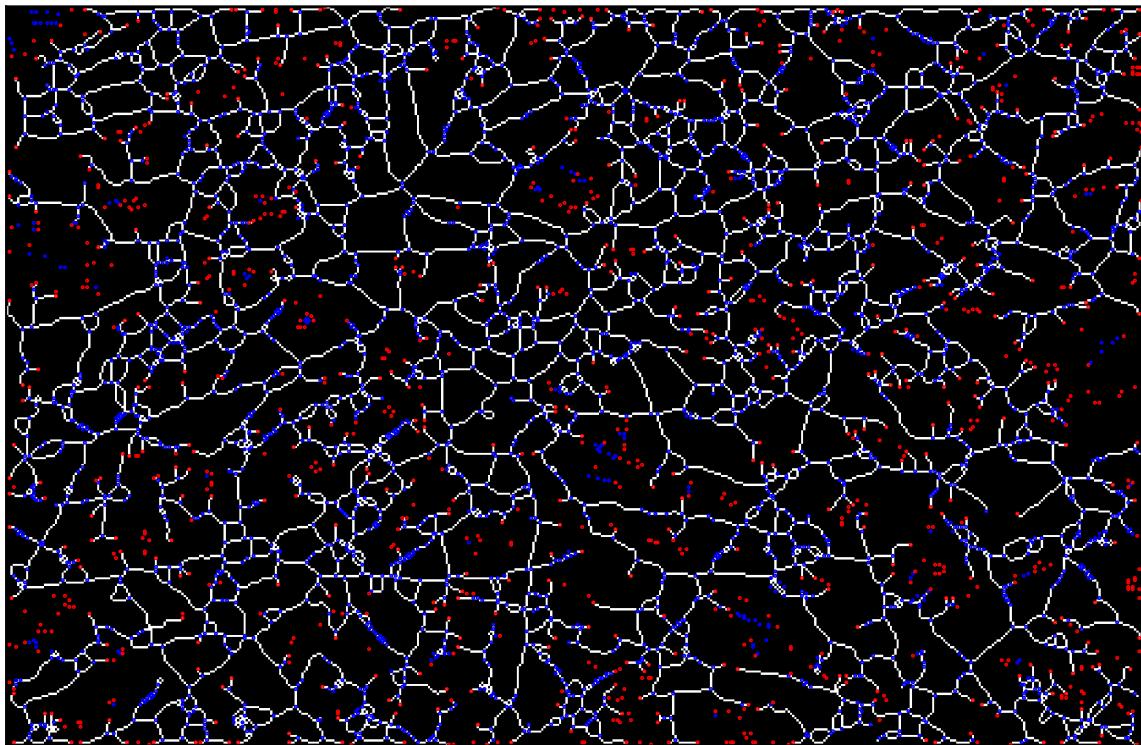
Histogram of Processed Image



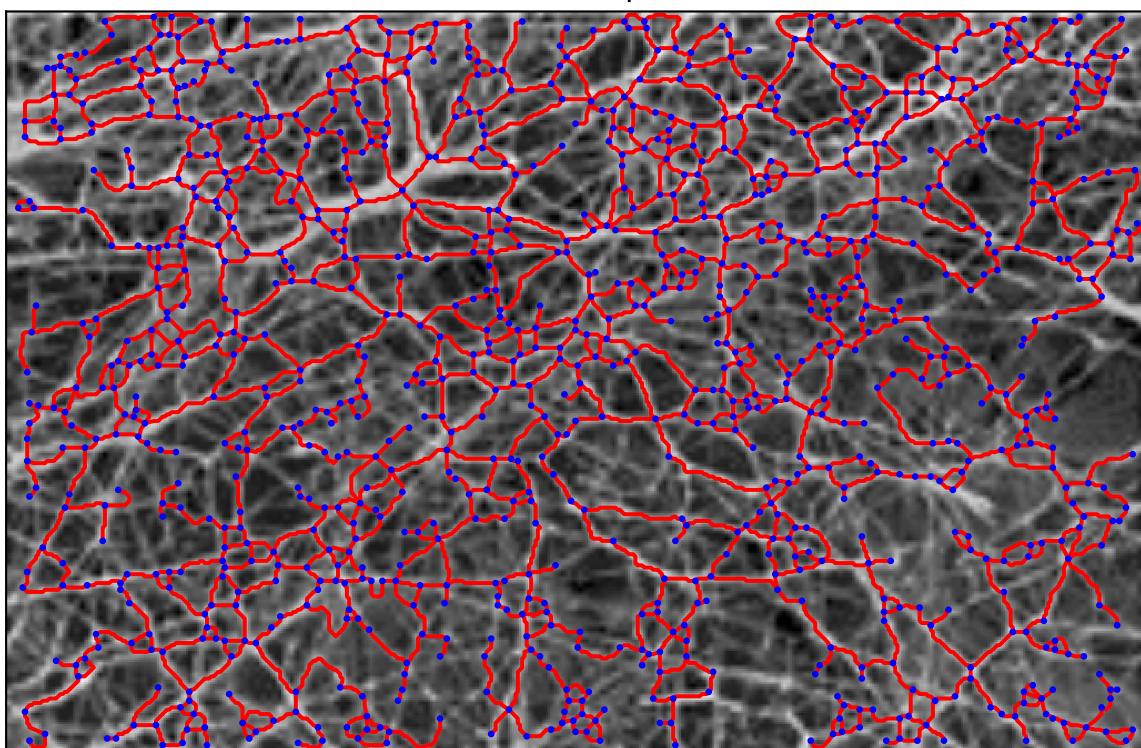
Binary Image



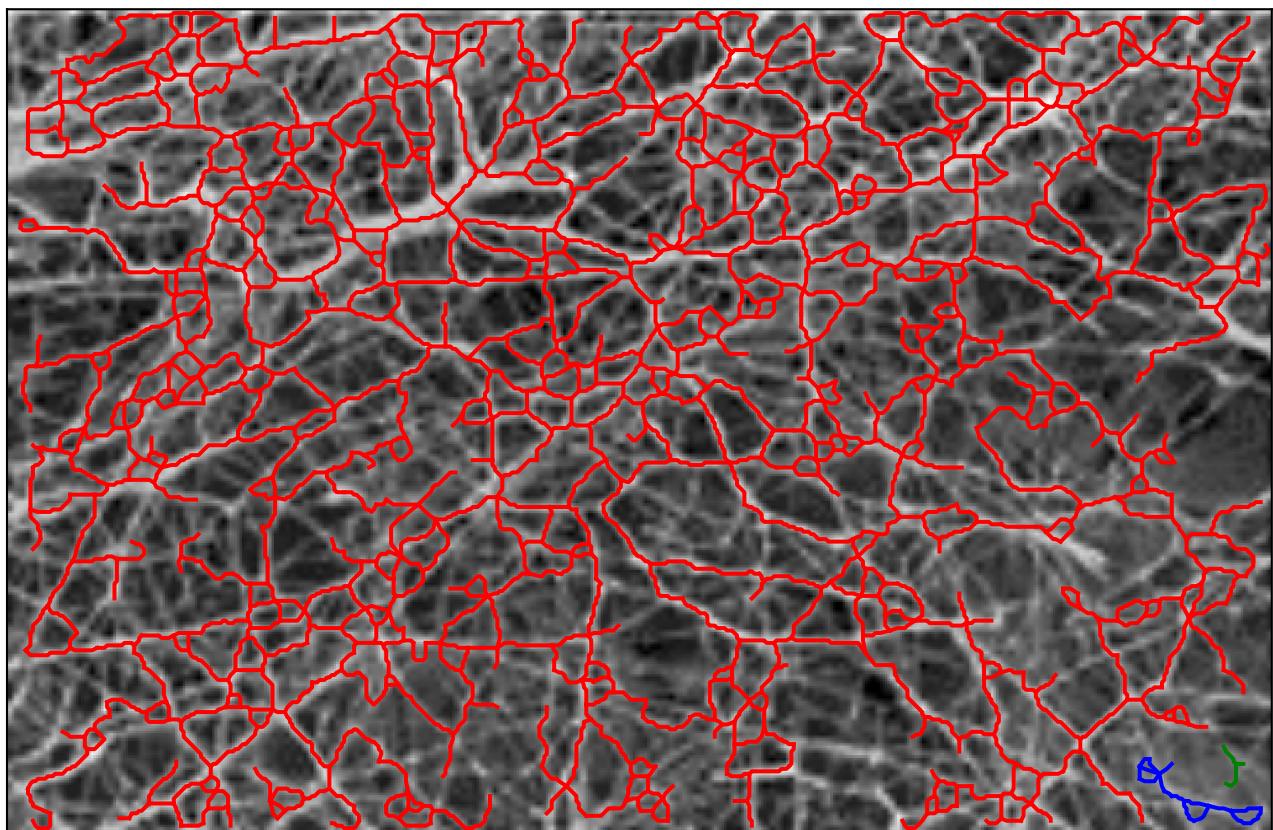
Skeletal Image



Final Graph



Sub Graphs



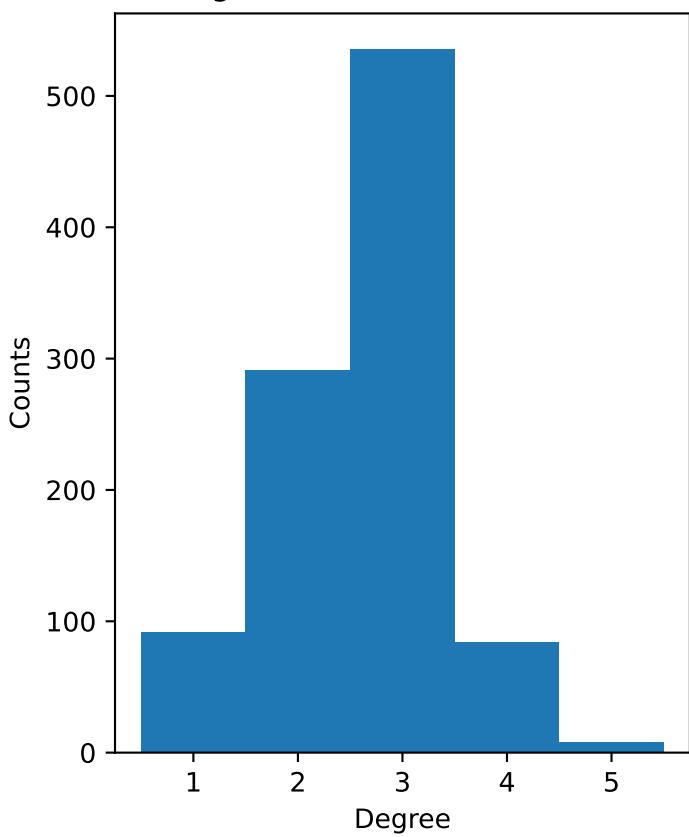
Unweighted GT parameters

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
Subgraph Count	3
Large Subgraph Node Count	990
Large Subgraph Edge Count	1272
Small Subgraph Node Count	5
Small Subgraph Edge Count	4
Graph Conductance (max)	0.03150239551246143
Graph Conductance (min)	0.0002481002307558875

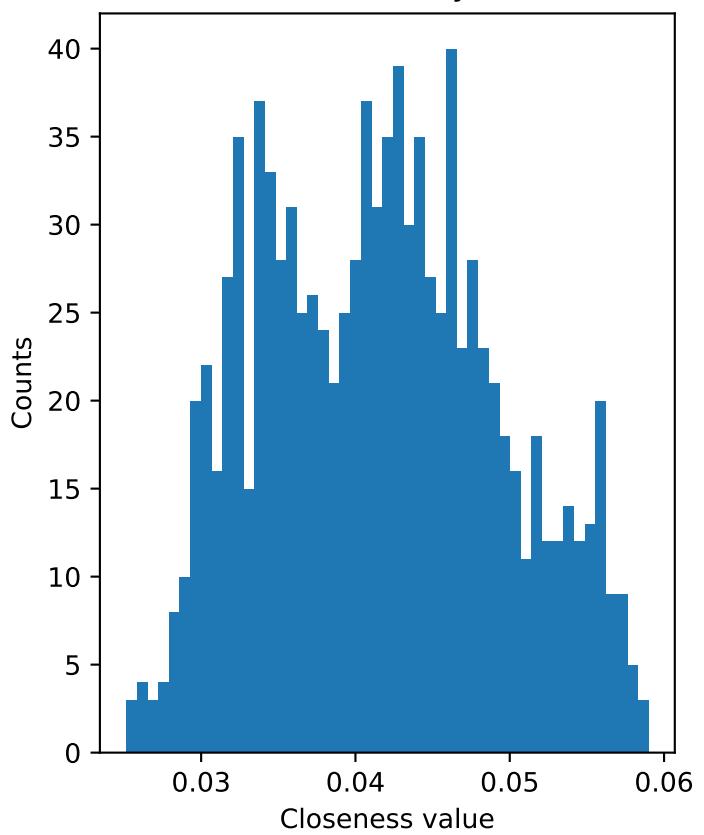
Weighted GT Parameters

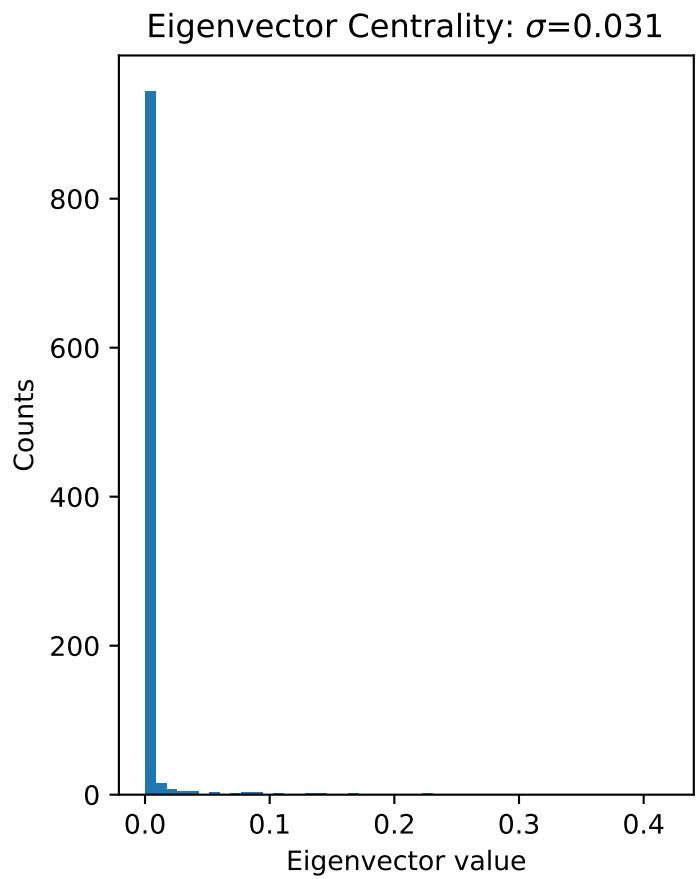
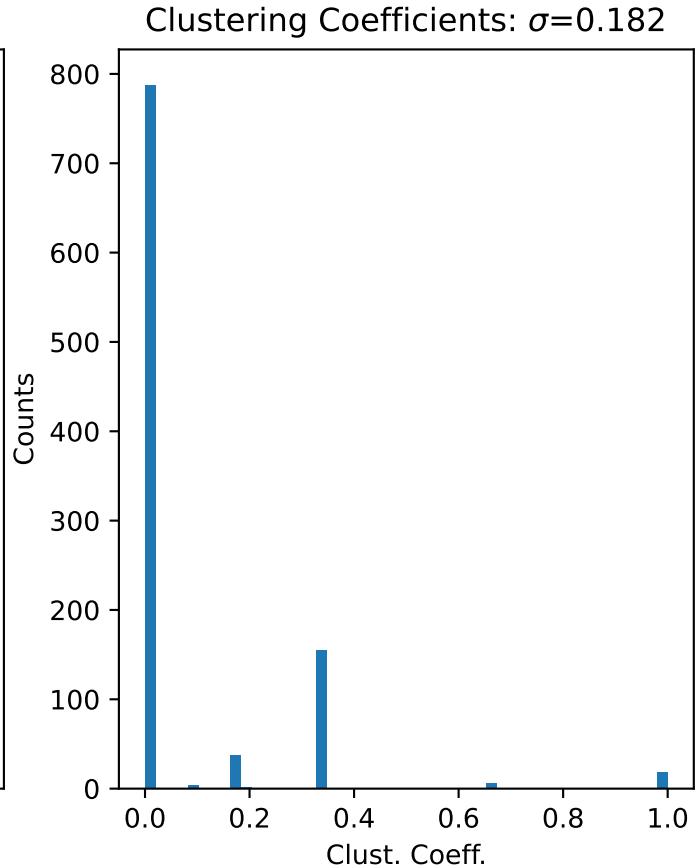
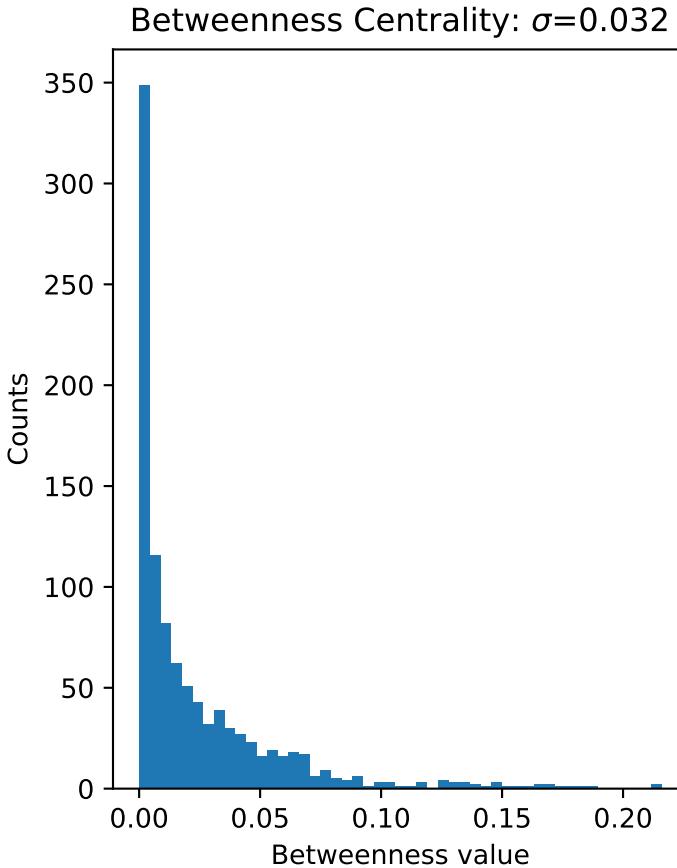
Weighted average degree	2.83799
Length-weighted Wiener Index	155345836.9
Max flow between periphery	0.14142
Weighted assortativity coefficient	0.43249
Width-weighted average betweenness centrality	0.02446
Length-weighted average closeness centrality	0.0034
Width-weighted average eigenvector centrality	0.00266
Weighted Subgraph Count	Weighted 3
Weighted Large Subgraph Node Count	Weighted 990
Weighted Large Subgraph Edge Count	Weighted 1272
Weighted Small Subgraph Node Count	Weighted 5
Weighted Small Subgraph Edge Count	Weighted 4
Weighted Graph Conductance (max)	Weighted 0.03150239551246143
Weighted Graph Conductance (min)	Weighted 0.0002481002307558875

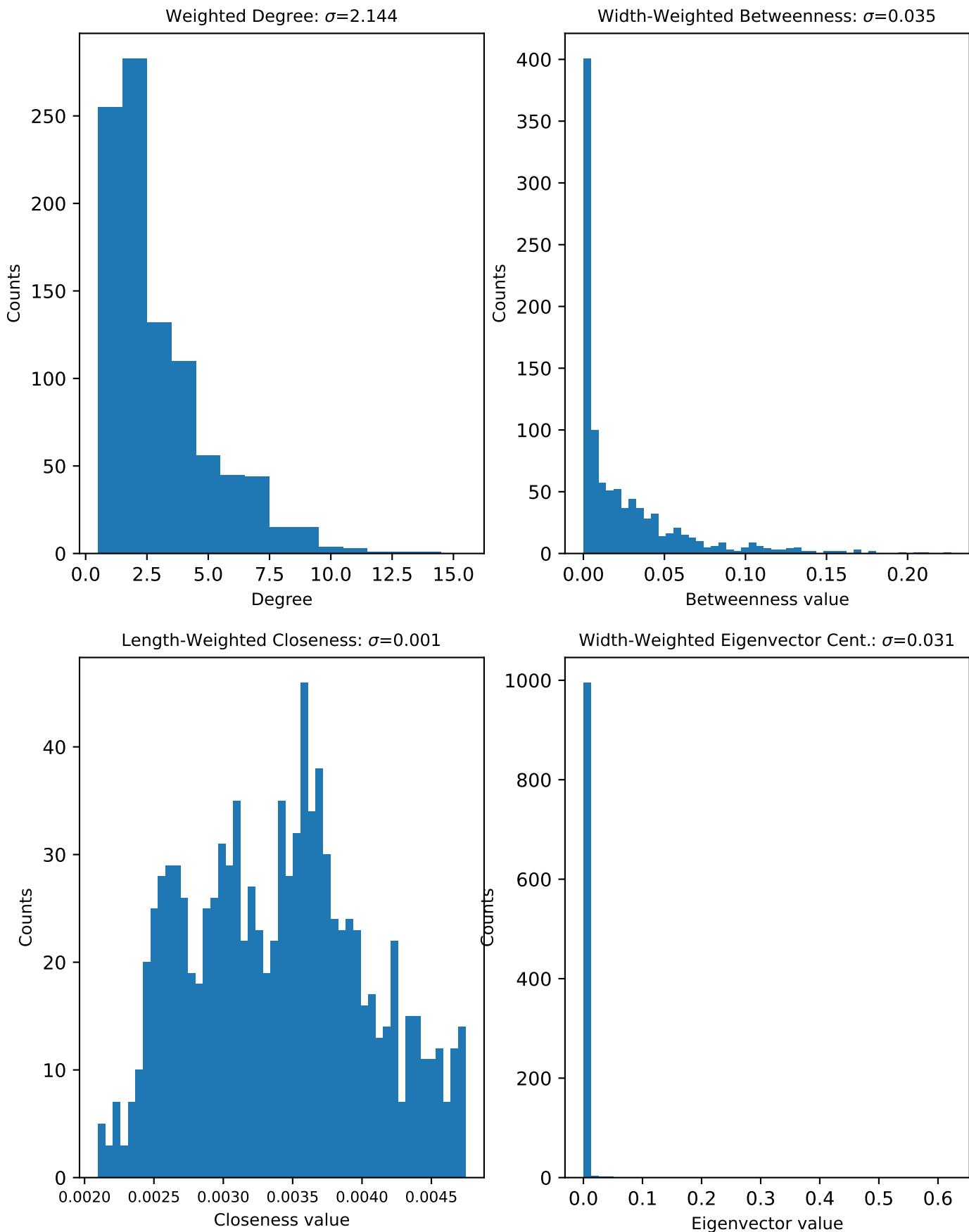
Degree Distribution: $\sigma=0.793$



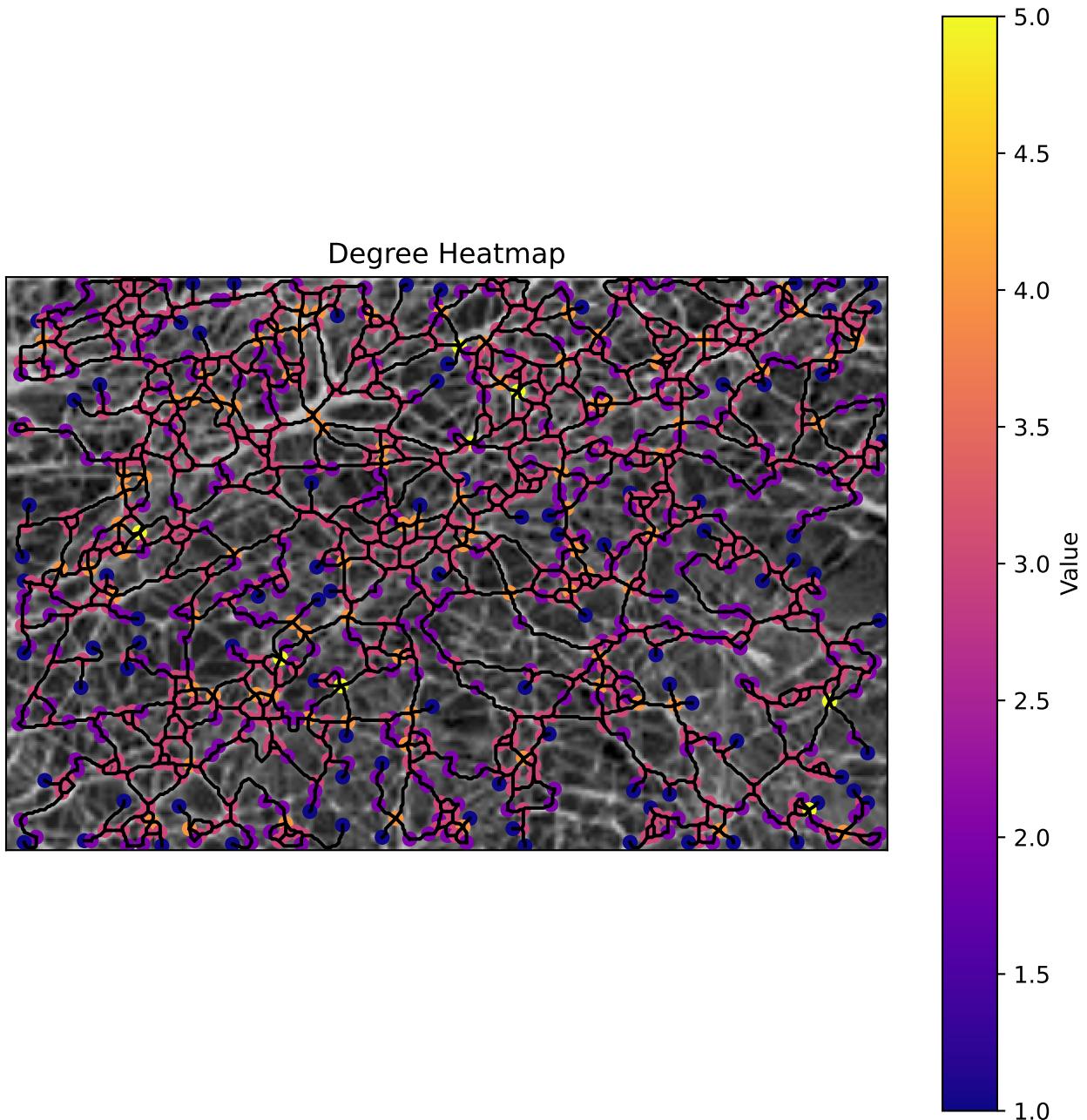
Closeness Centrality: $\sigma=0.008$



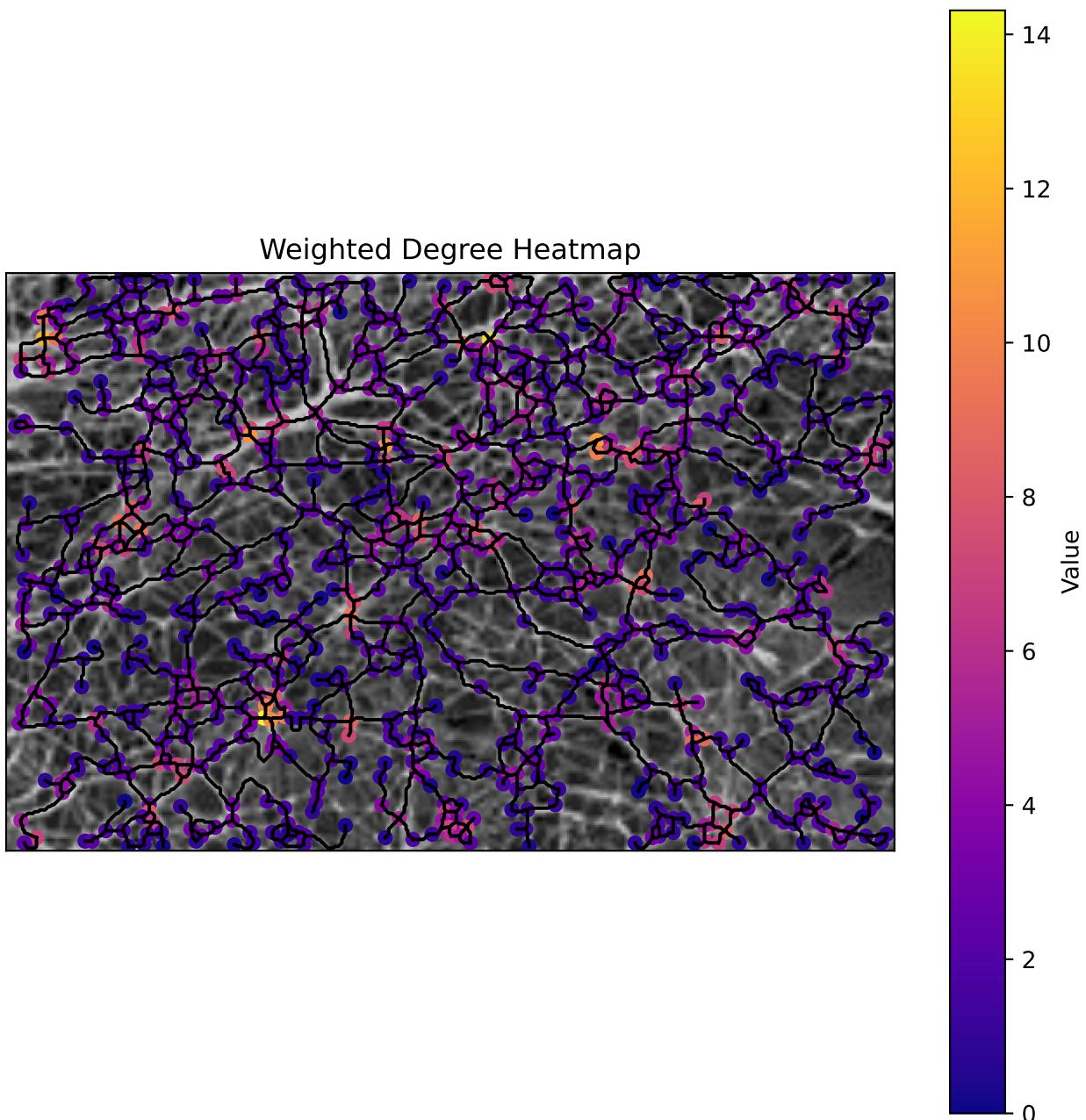




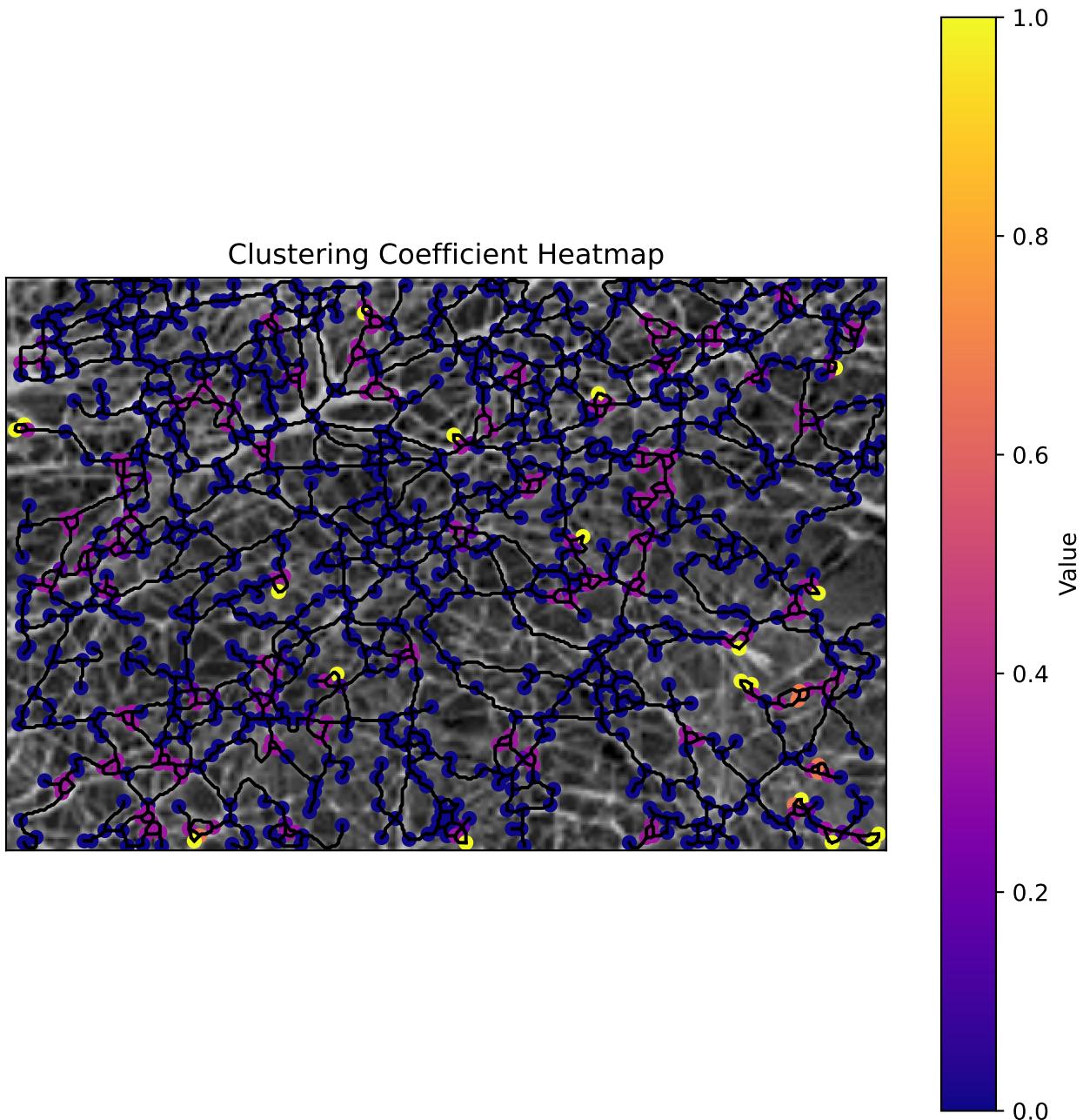
Degree Heatmap



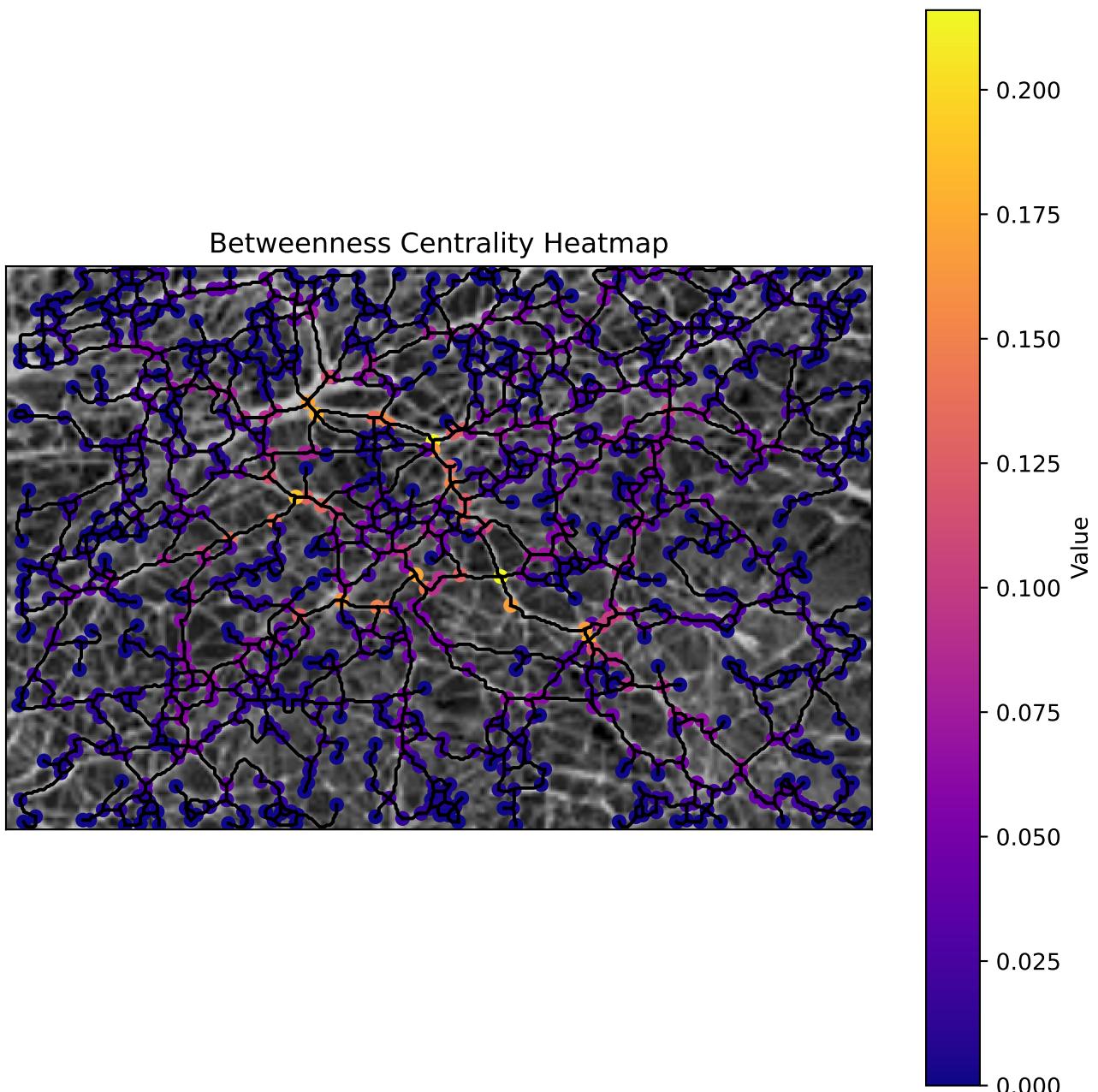
Weighted Degree Heatmap



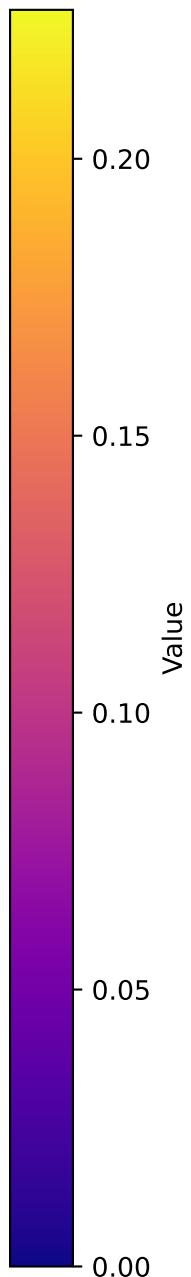
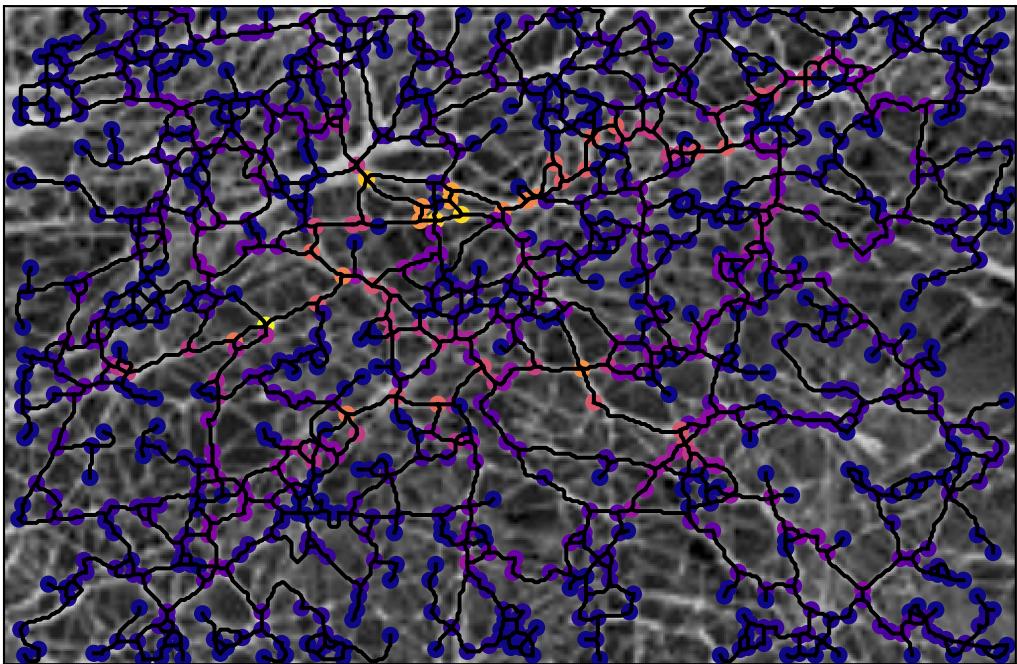
Clustering Coefficient Heatmap



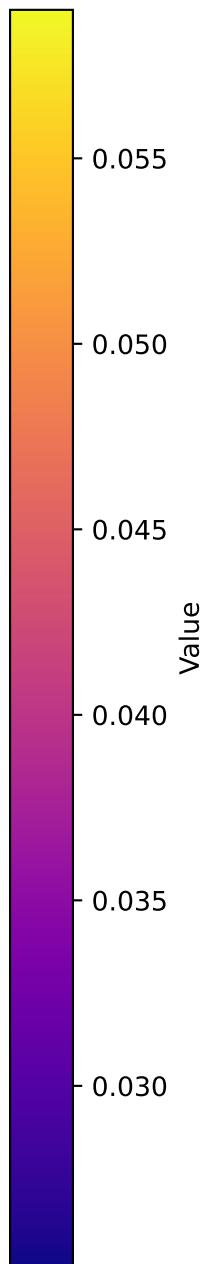
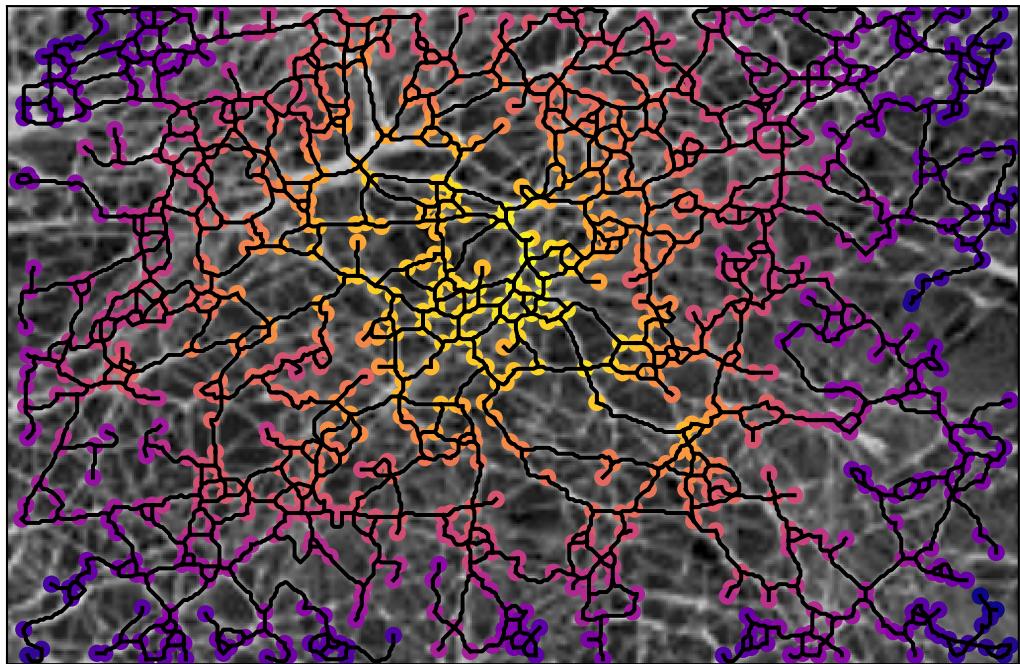
Betweenness Centrality Heatmap



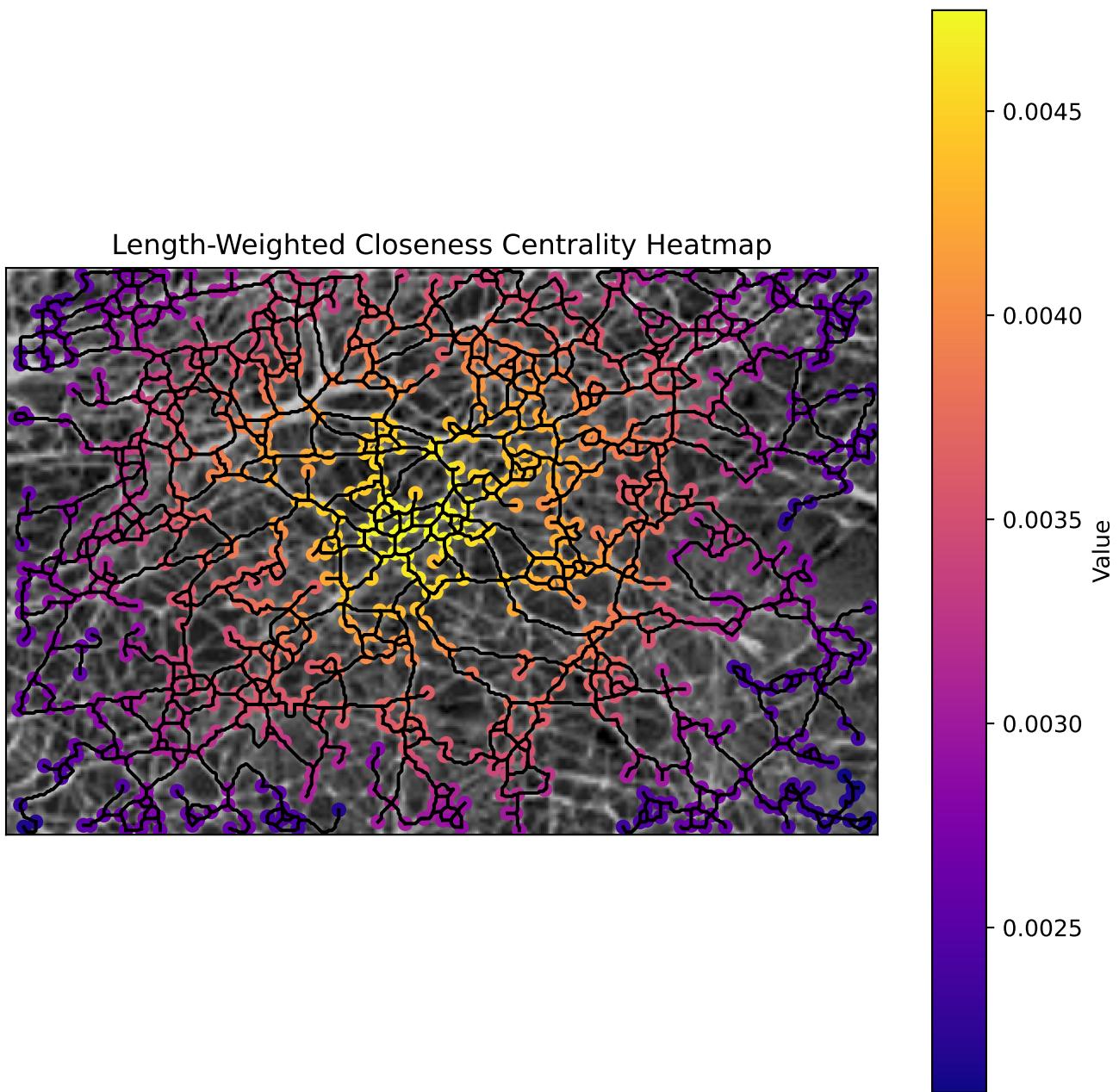
Width-Weighted Betweenness Centrality Heatmap



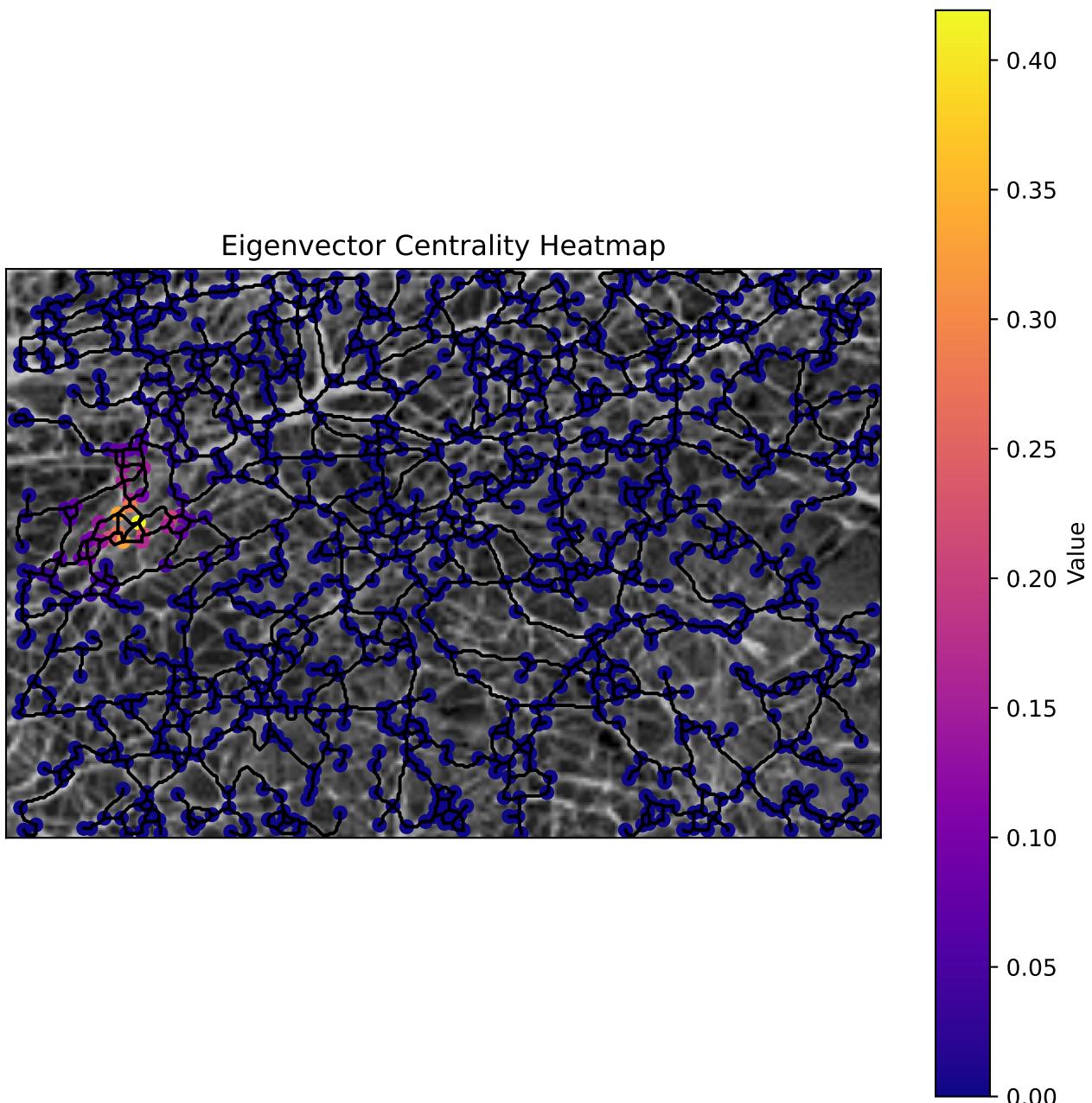
Closeness Centrality Heatmap



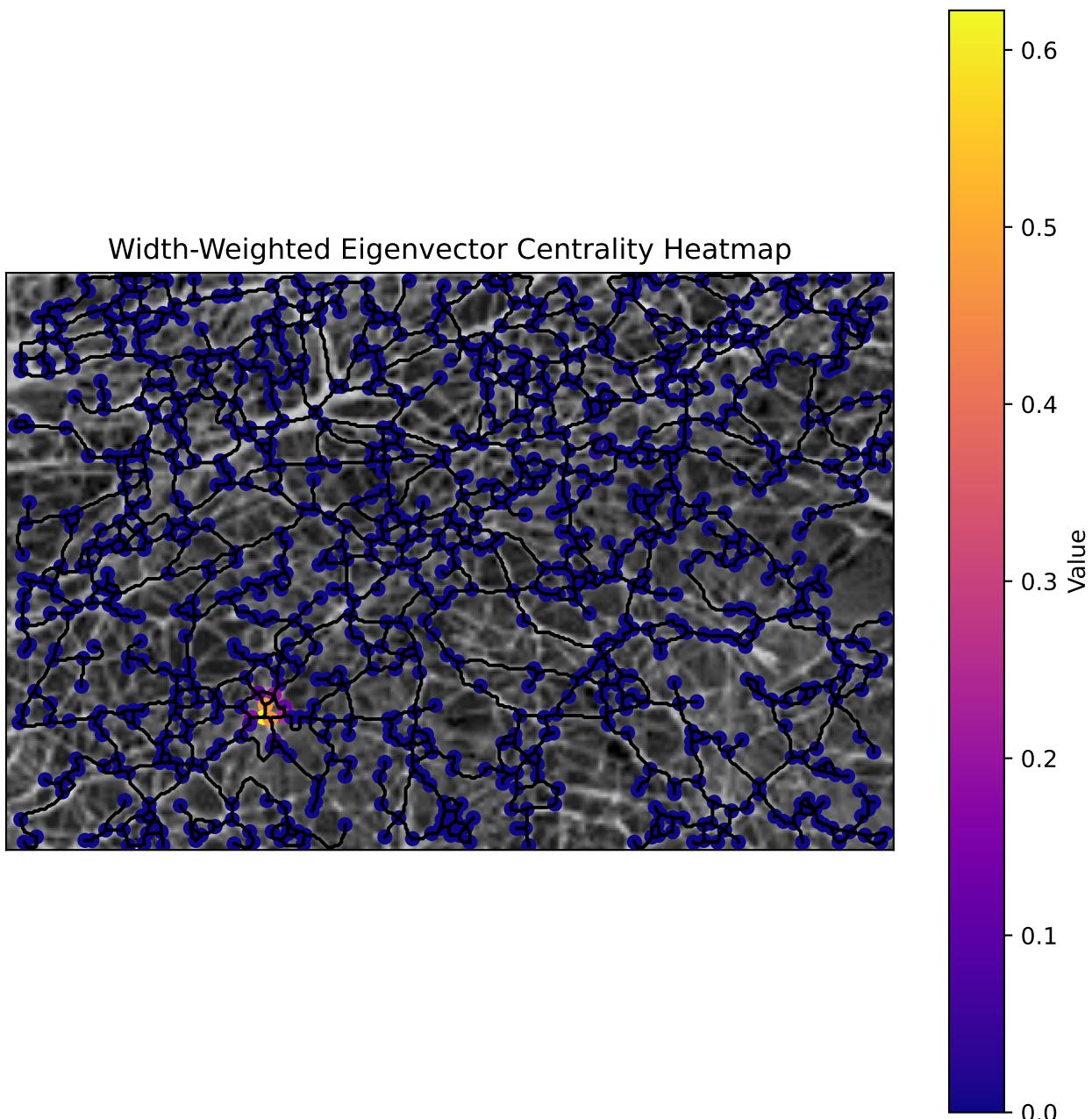
Length-Weighted Closeness Centrality Heatmap



Eigenvector Centrality Heatmap



Width-Weighted Eigenvector Centrality Heatmap



Run Info

./examples/mycelium_hyphae.png || 2024-02-13 09:35:33
|| Global Threshold (127) || Autolevel || Scharr Gradient || Low-pass filterNone
|| Merge Nodes || Prune Dangling Edges || Remove Objects of Size 500 || Remove Self Loops