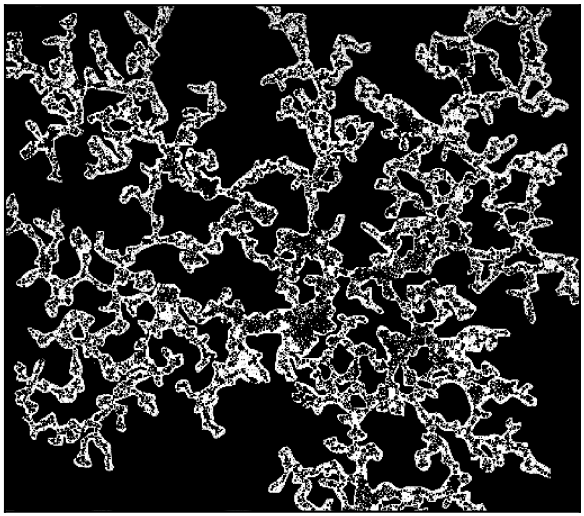
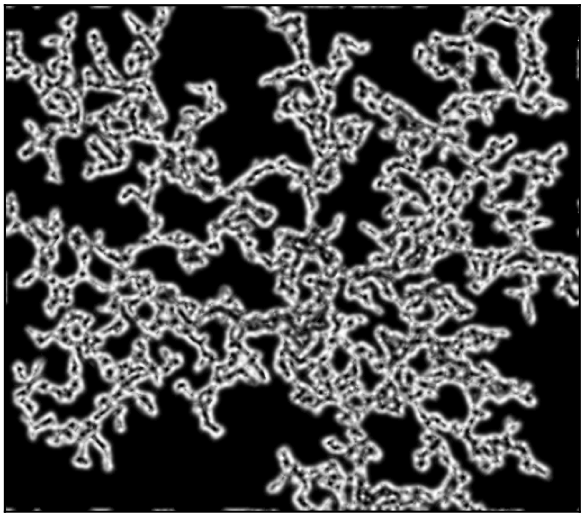
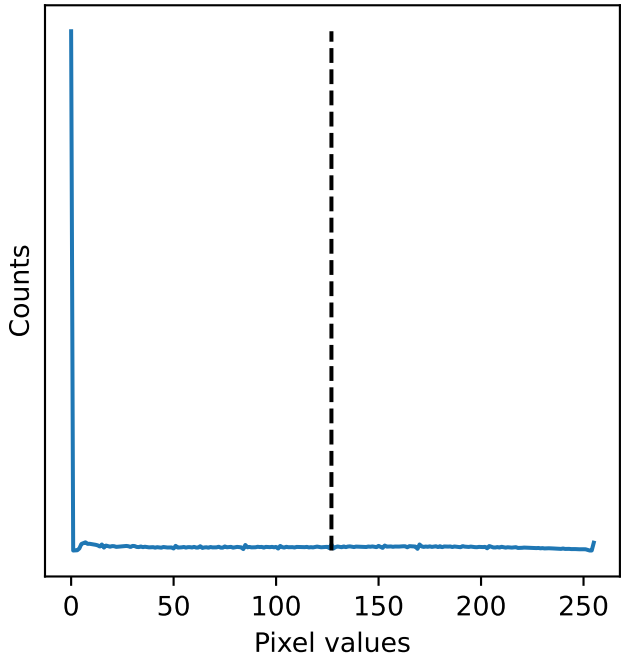
Original Image



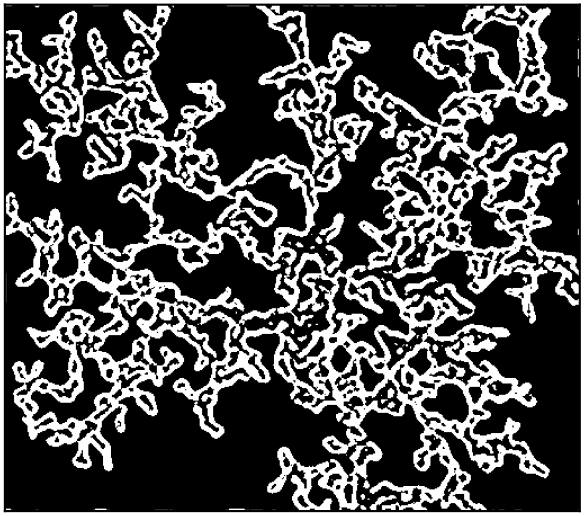
Processed Image



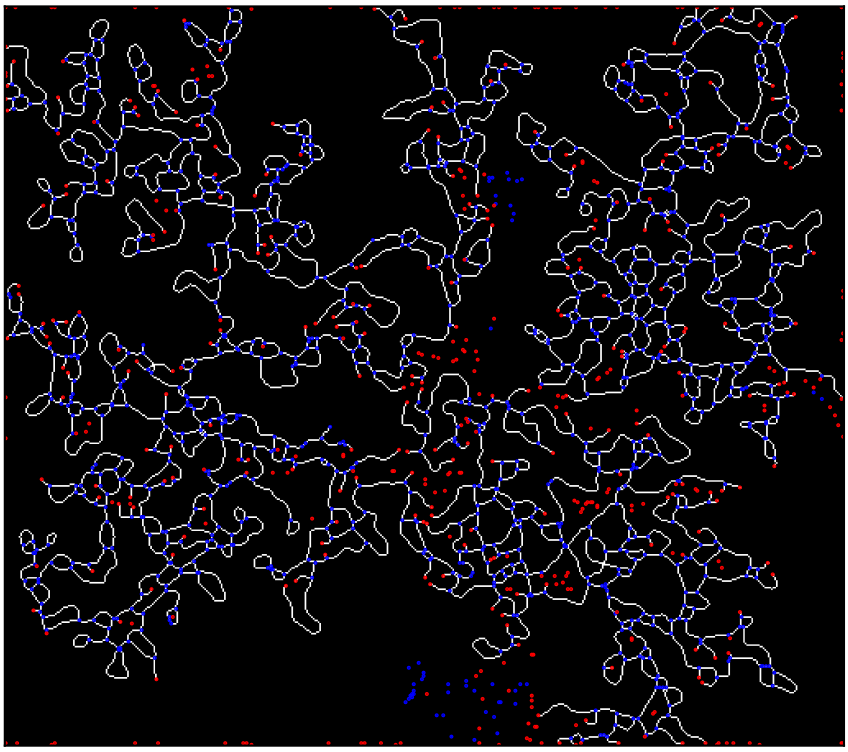
Histogram of Processed Image



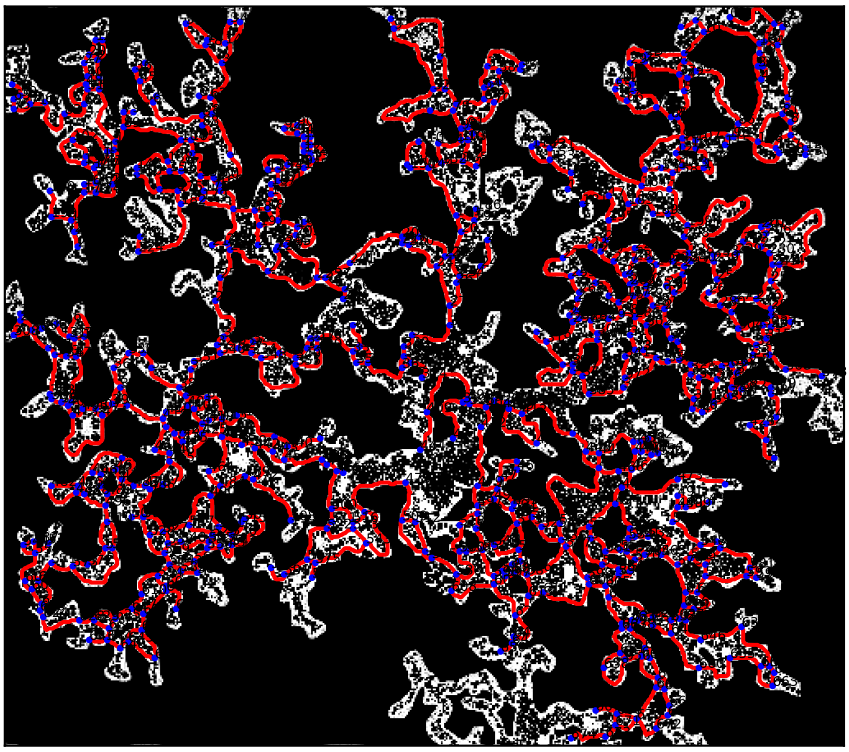
Binary Image



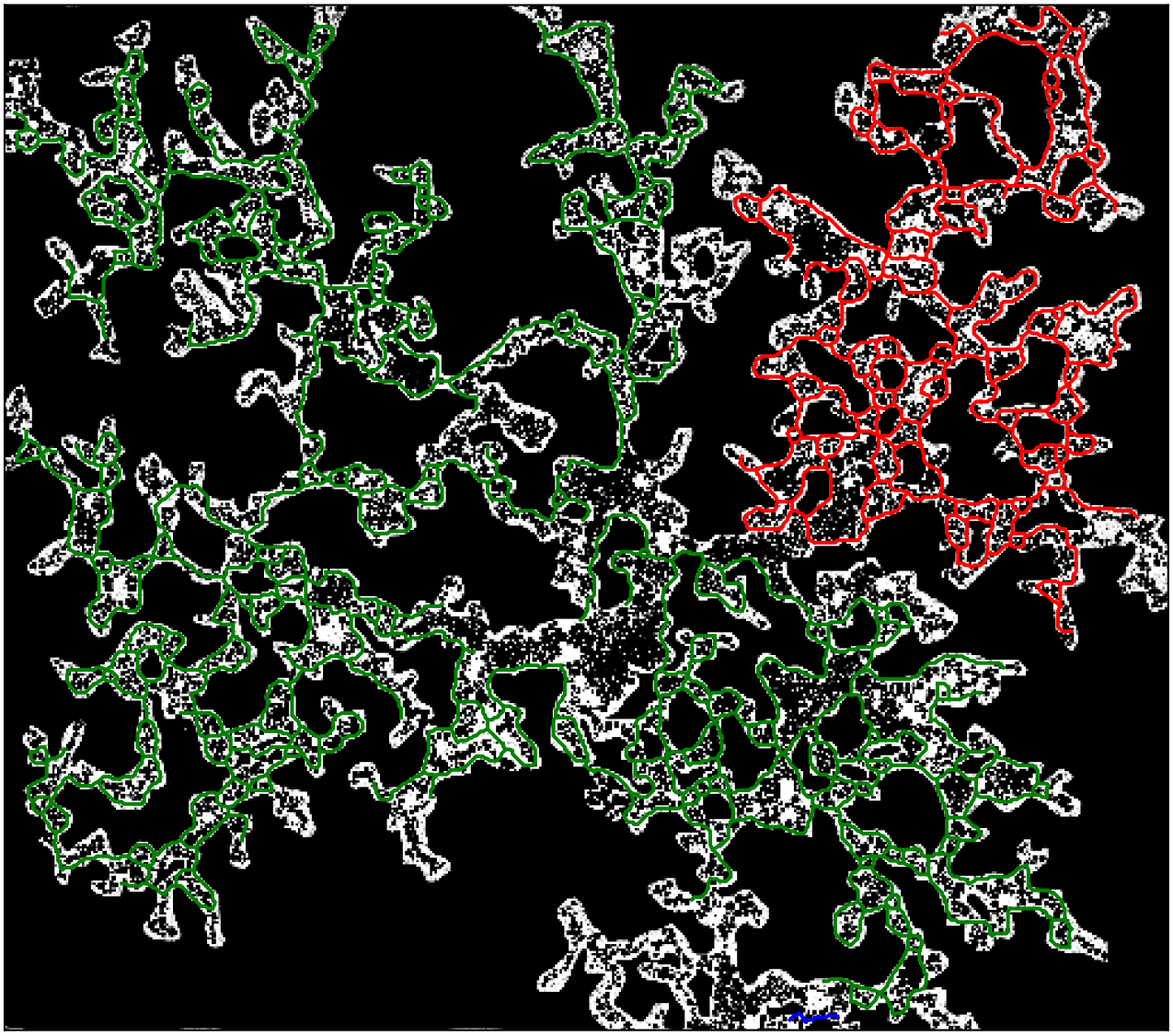
Skeletal Image



Final Graph



Sub Graphs

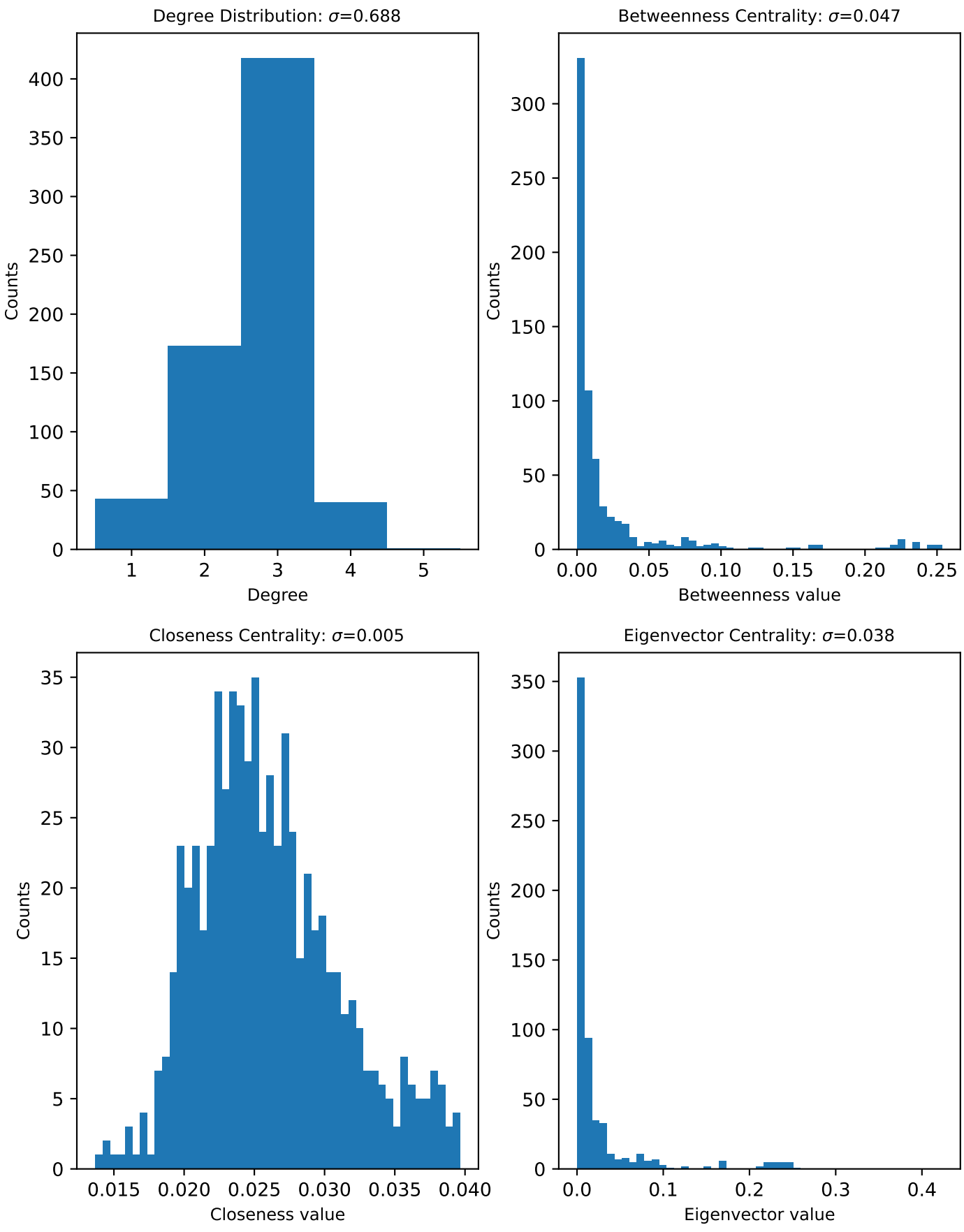


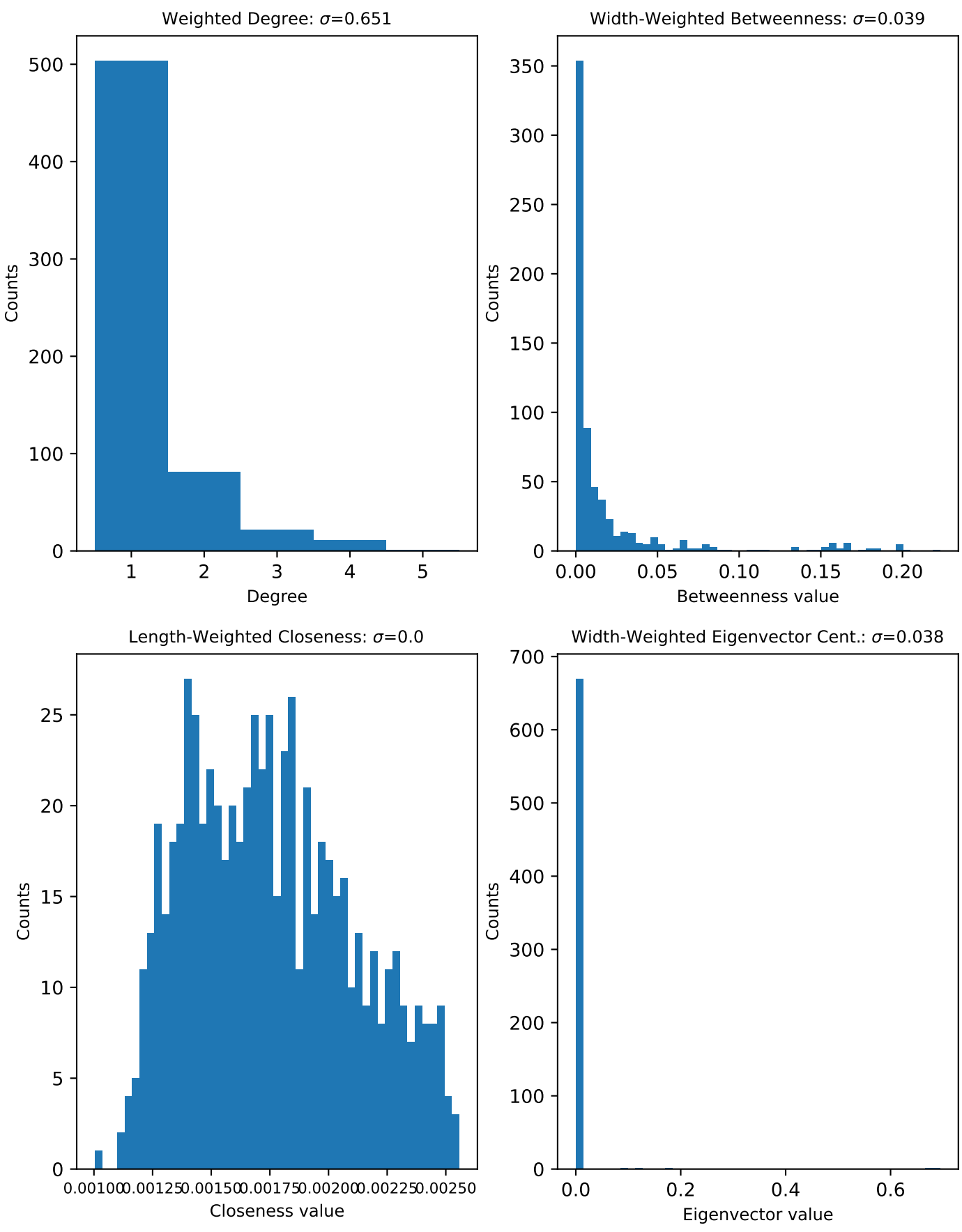
Unweighted GT parameters

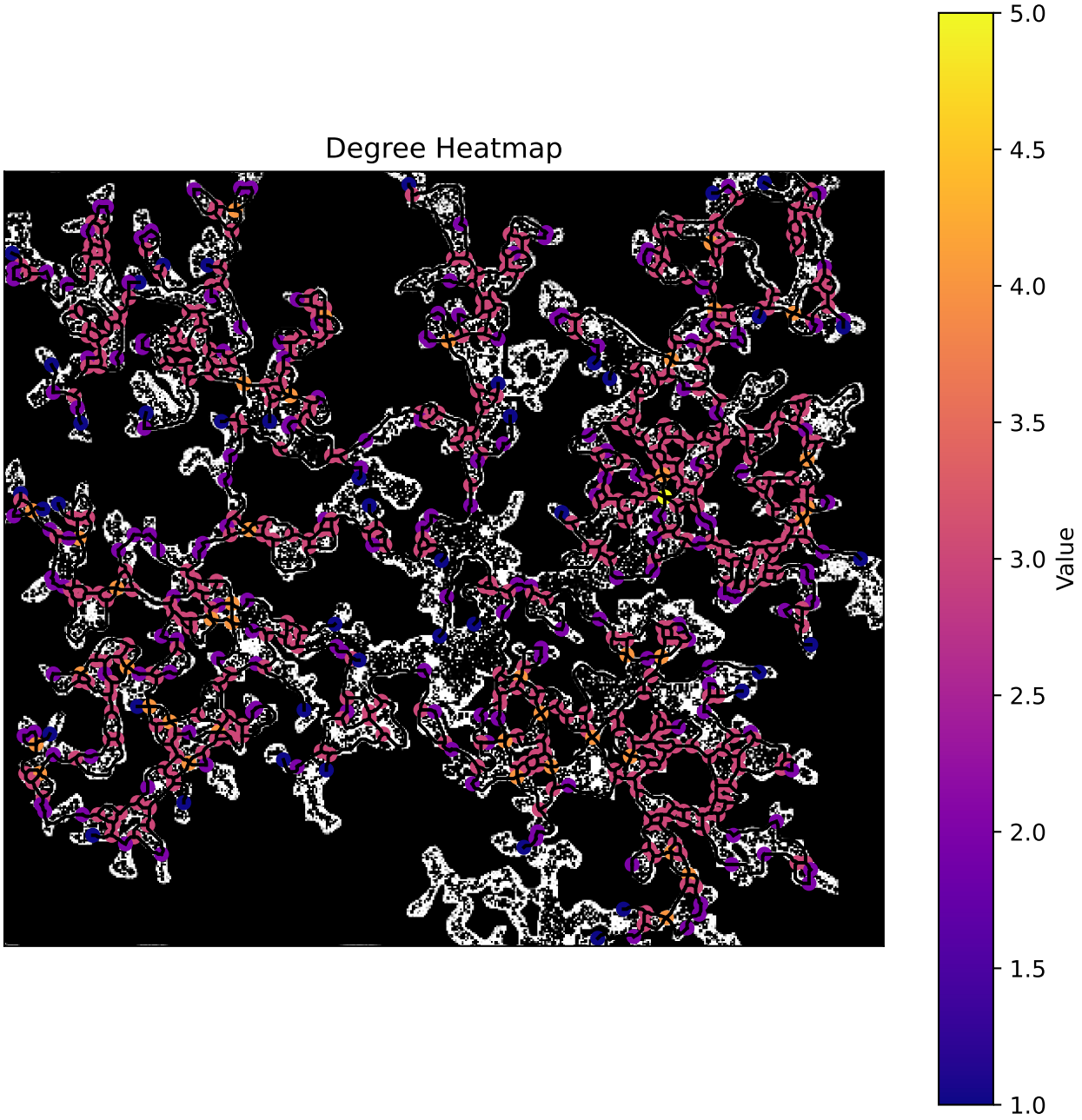
Number of nodes	675
Number of edges	904
Connectedness ratio	72.44%
Average degree	2.67852
Network diameter	NaN
Average nodal connectivity	NaN
Graph density	0.00397
Global efficiency	0.04283
Wiener Index	inf
Assortativity coefficient	0.08186
Average clustering coefficient	0.12444
Average betweenness centrality	0.02194
Average eigenvector centrality	0.00808
Average closeness centrality	0.02603
Subgraph Count	3
Large Subgraph Node Count	487
Large Subgraph Edge Count	629
Small Subgraph Node Count	2
Small Subgraph Edge Count	1
Graph Conductance (max)	0.016988744191312403
Graph Conductance (min)	7.215435729946272e-05

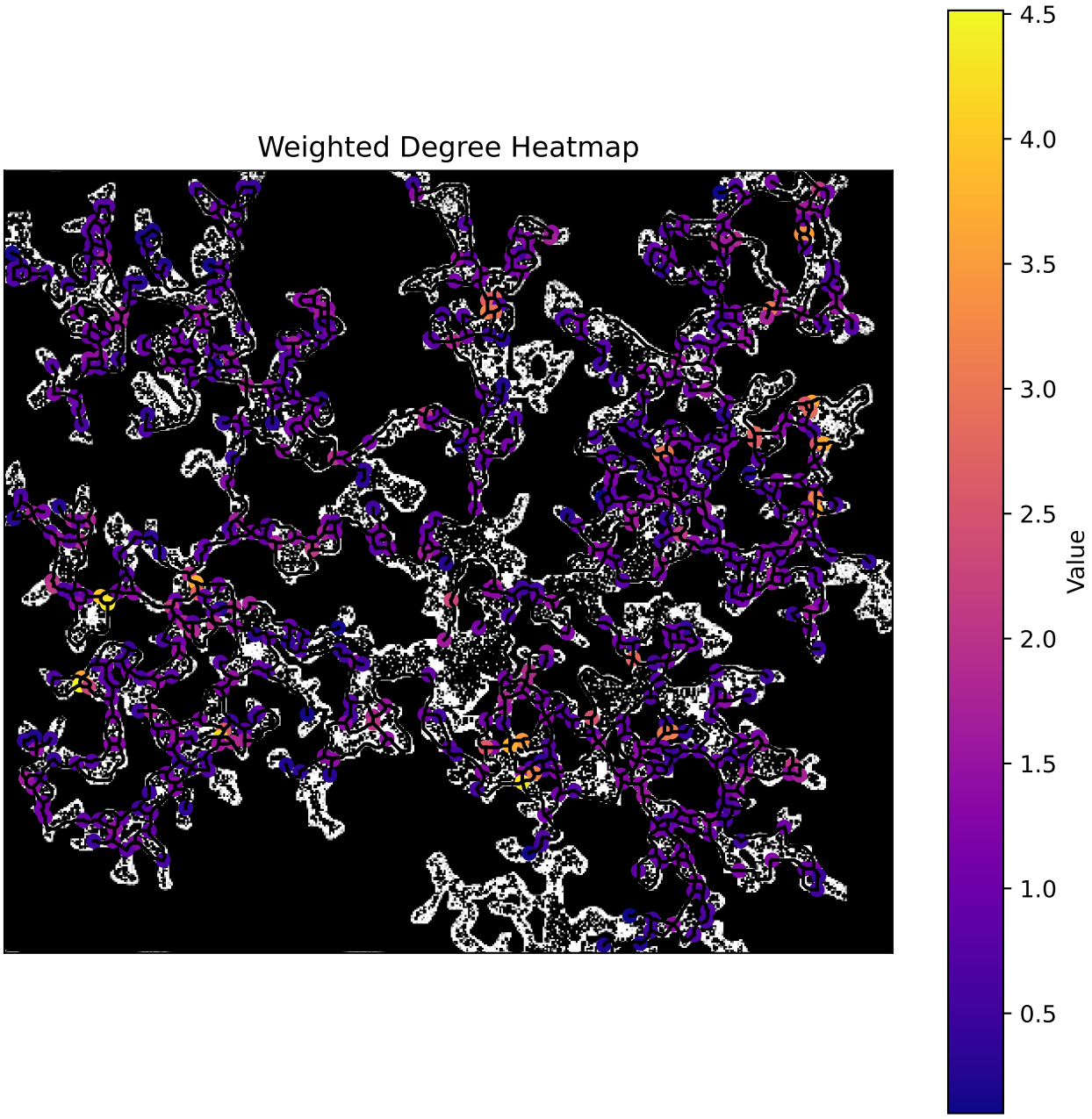
Weighted GT Parameters

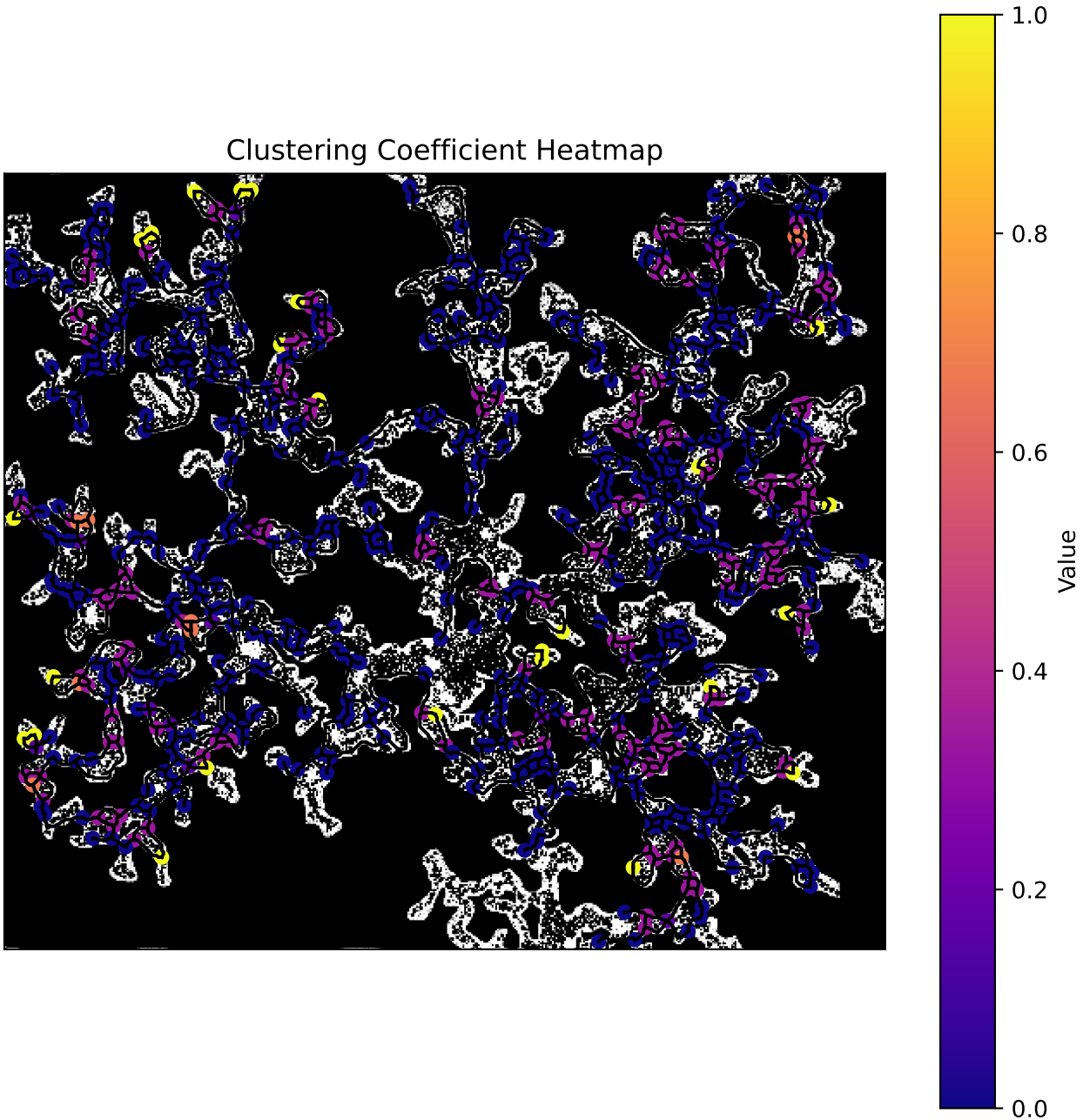
Weighted average degree	1.12764
Length-weighted Wiener Index	inf
Max flow between periphery	NaN
Weighted assortativity coefficient	0.30141
Width-weighted average betweenness centrality	0.01906
Length-weighted average closeness centrality	0.00176
Width-weighted average eigenvector centrality	0.00272

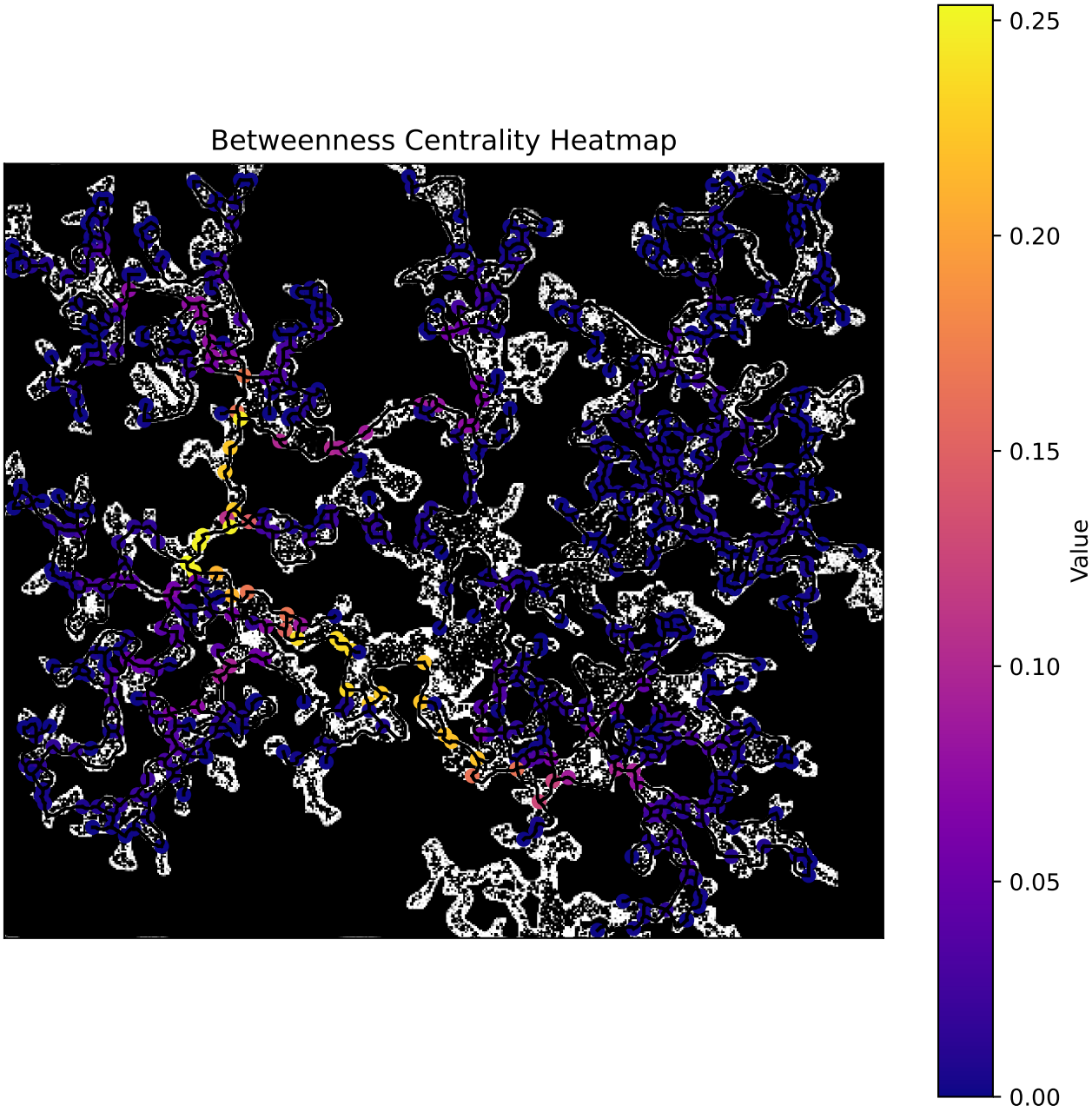

Degree Distribution: σ=0.688
Counts
Degree
Betweenness Centrality: σ=0.047
Counts
Betweenness value
Closeness Centrality: σ=0.005
Counts
Closeness value
Eigenvector Centrality: σ=0.038
Counts
Eigenvector value

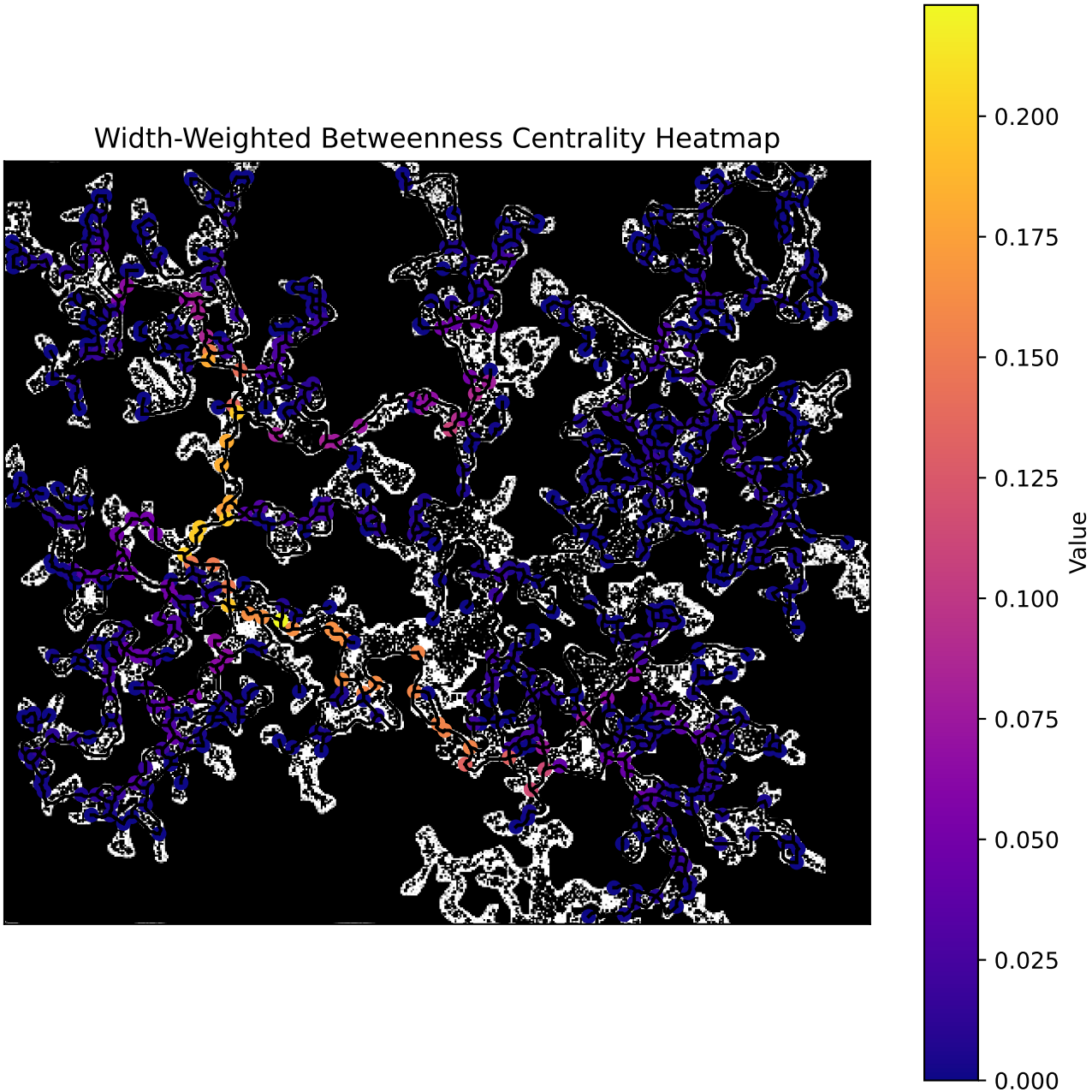

Weighted Degree: σ=0.651
Counts
Degree
Width-Weighted Betweenness: σ=0.039
Counts
Betweenness value
Length-Weighted Closeness: σ=0.0
Counts
Closeness value
Width-Weighted Eigenvector Cent.: σ=0.038
Counts
Eigenvector value

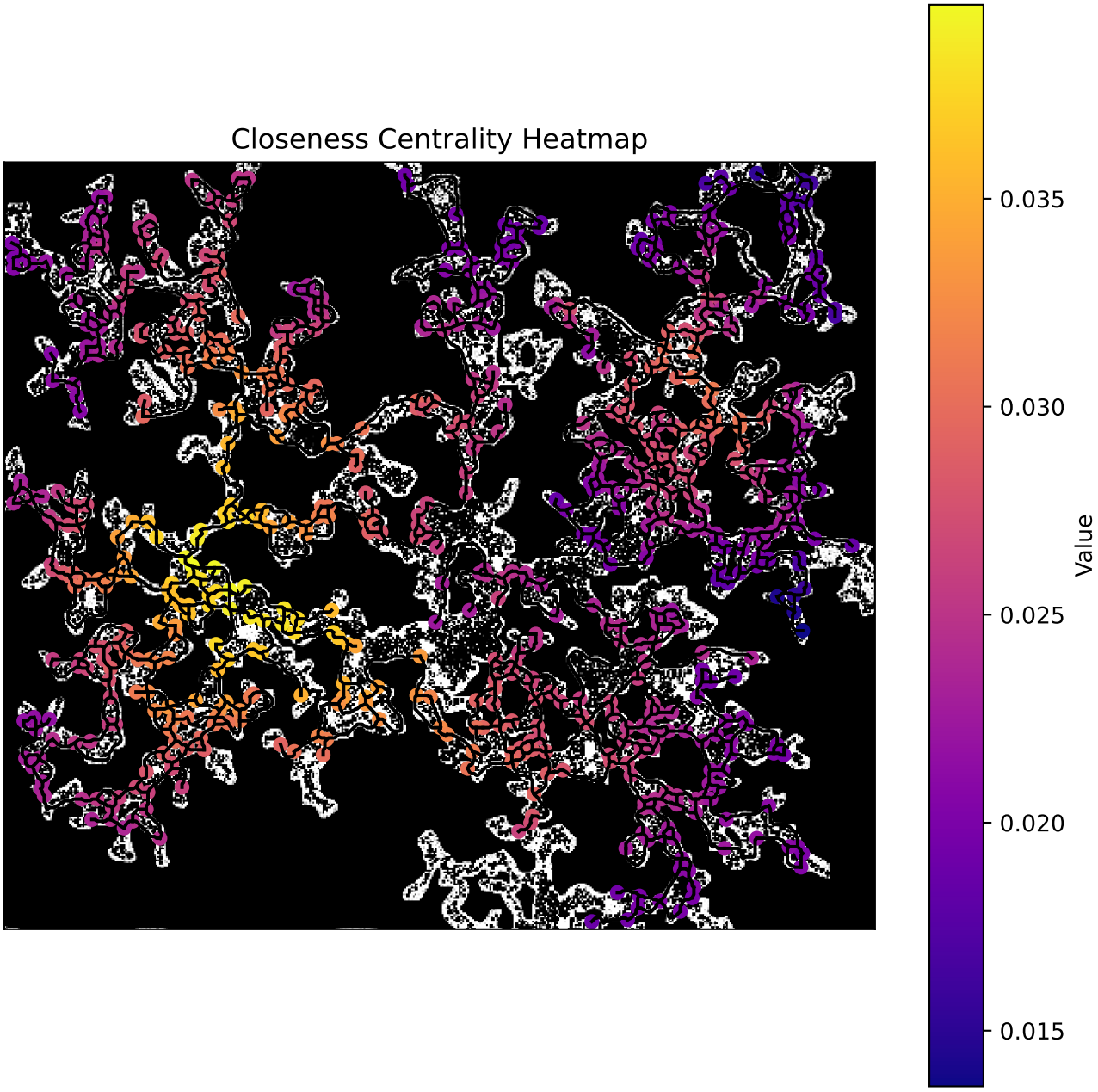

Degree Heatmap
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Value

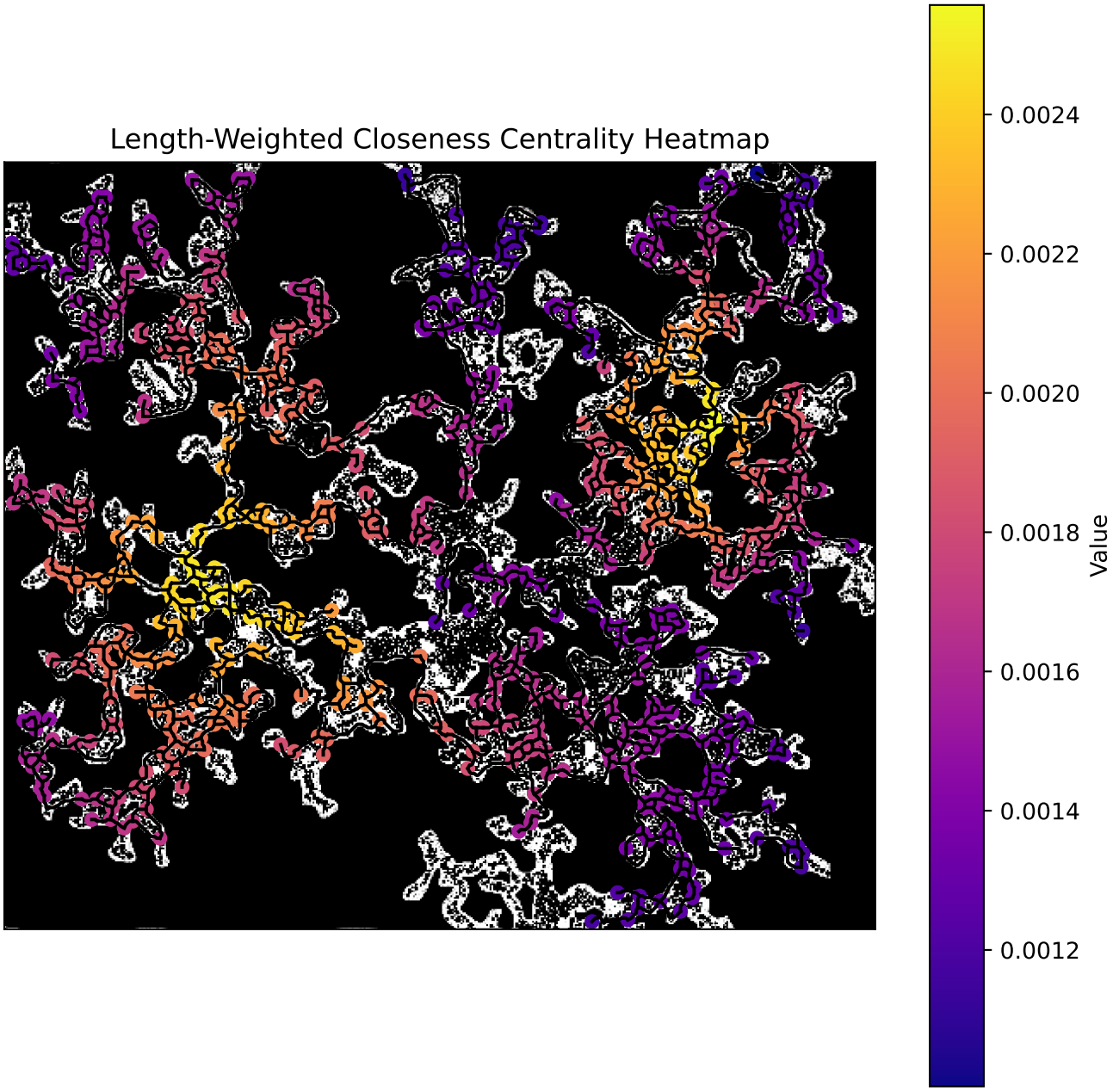

Weighted Degree Heatmap
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
Value

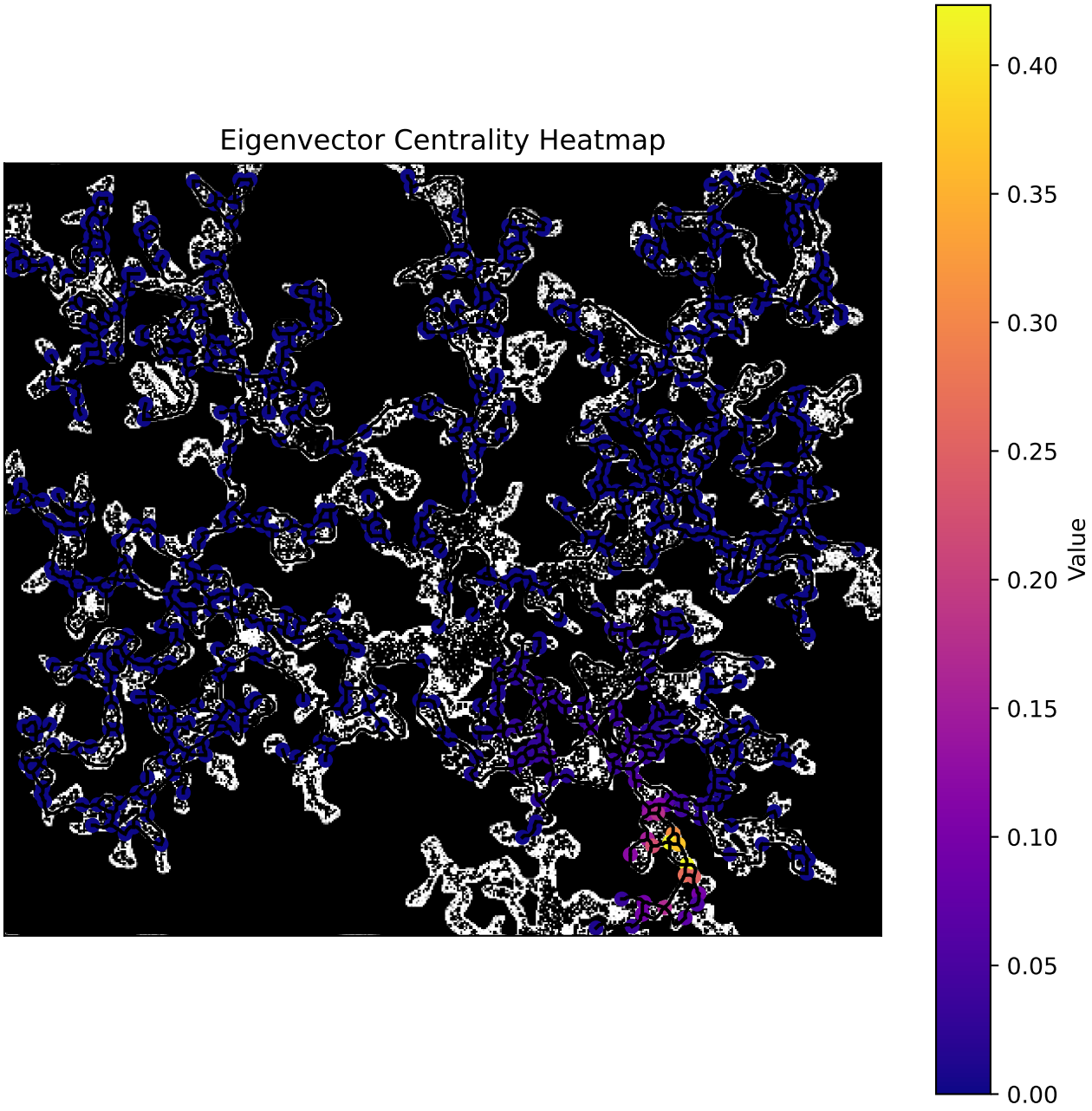

Clustering Coefficient Heatmap
1.0
0.8
0.6
0.4
0.2
0.0
Value

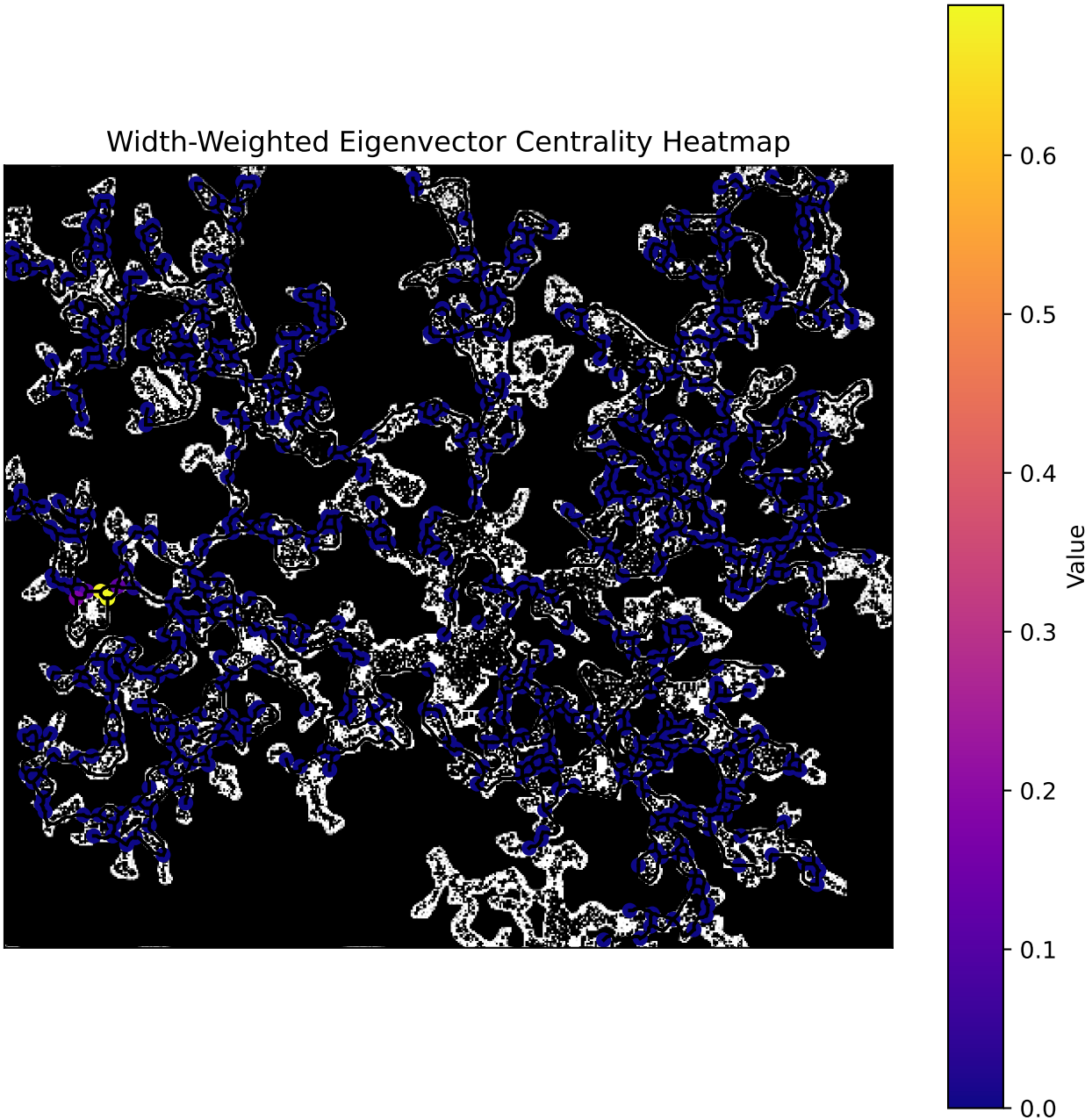

Betweenness Centrality Heatmap
0.25
0.20
0.15
0.10
0.05
0.00
Value


Width-Weighted Betweenness Centrality Heatmap
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000
Value


Closeness Centrality Heatmap
0.035
0.030
0.025
0.020
0.015
Value


Length-Weighted Closeness Centrality Heatmap
0.0024
0.0022
0.0020
0.0018
0.0016
0.0014
0.0012
Value


Eigenvector Centrality Heatmap
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Value


Width-Weighted Eigenvector Centrality Heatmap
Value
0.6
0.5
0.4
0.3
0.2
0.1
0.0


Run Info
../examples/Cont-SR_NPs.tif || 2024-01-30 18:50:40
|| Global Threshold (127) || Median Filter || Gaussian Blur, 3 bit kernel || Autolevel || Low-pass filter10
|| Merge Nodes || Prune Dangling Edges || Remove Objects of Size 500 || Remove Self Loops