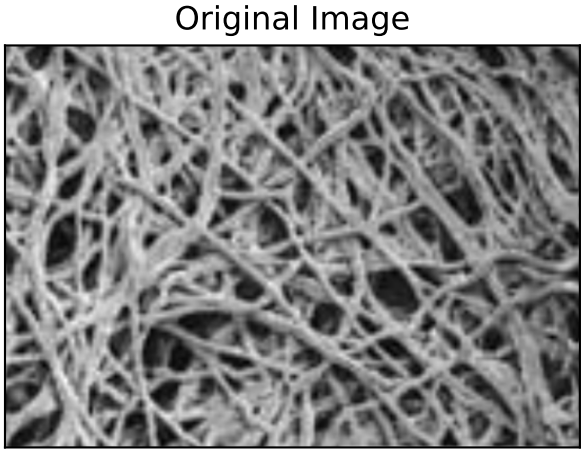
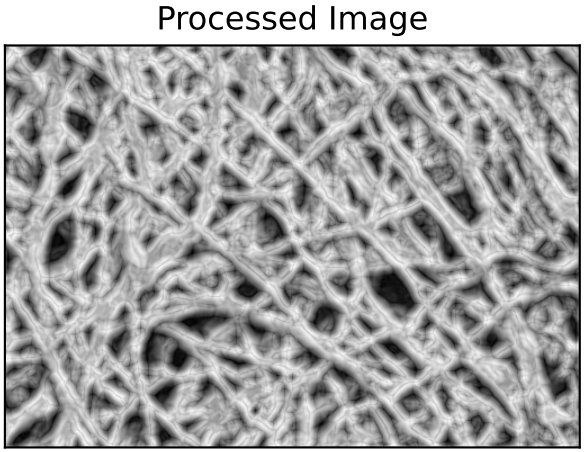
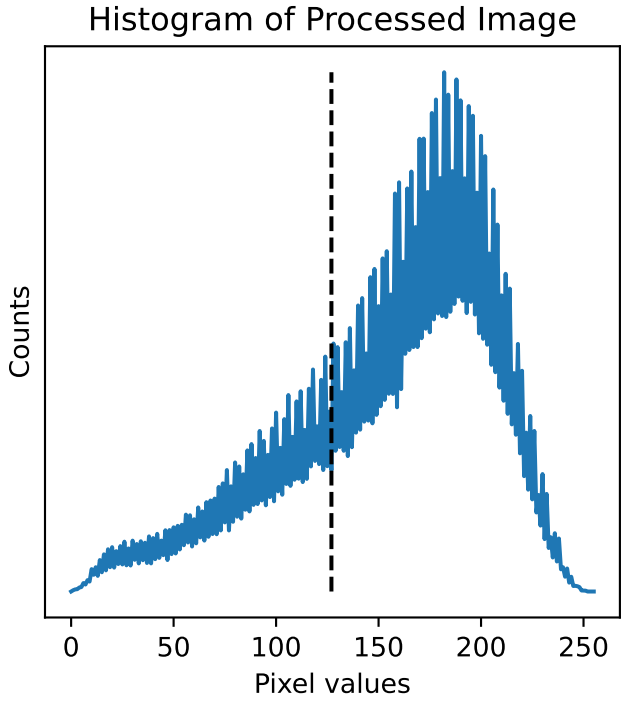
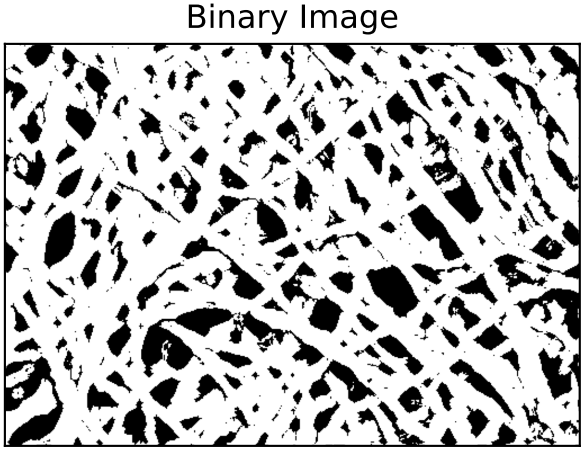
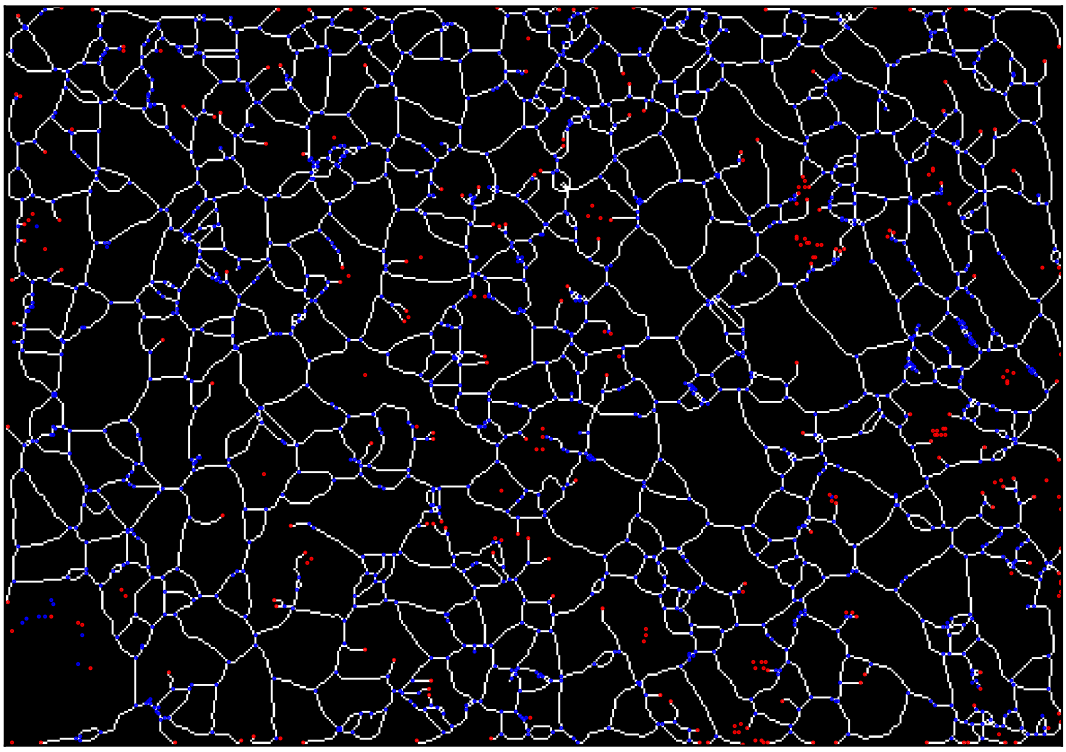

Original Image


Processed Image

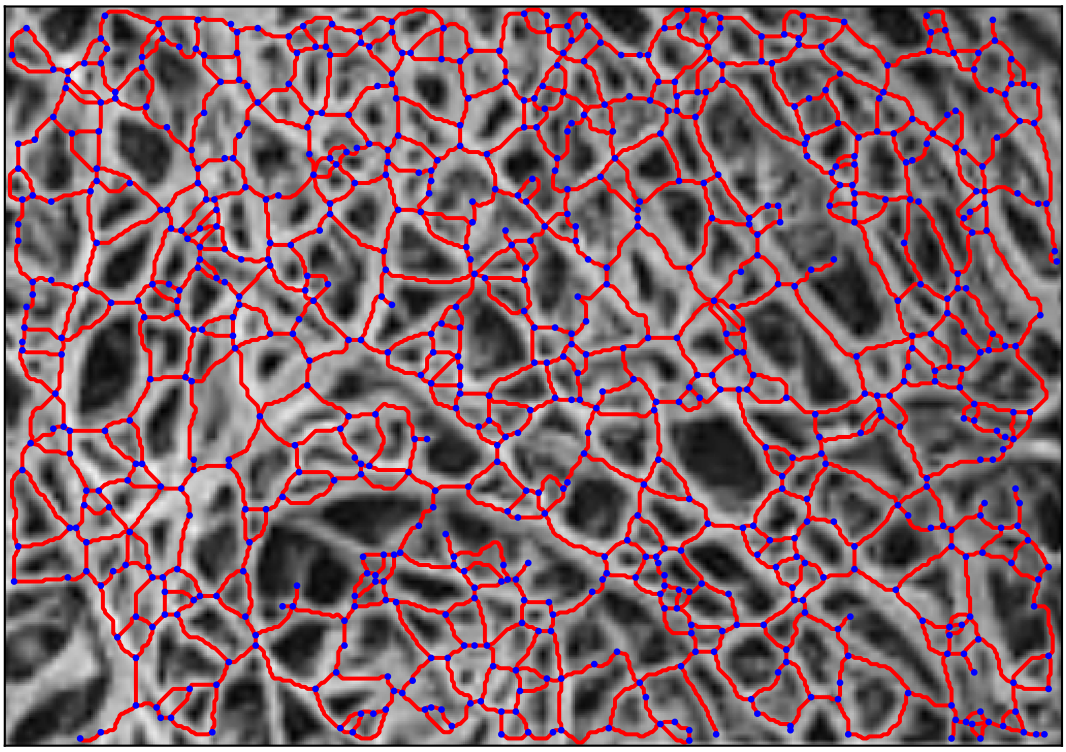

Histogram of Processed Image
Counts
0
50
100
150
200
250
Pixel values


Binary Image

Skeletal Image



Final Graph

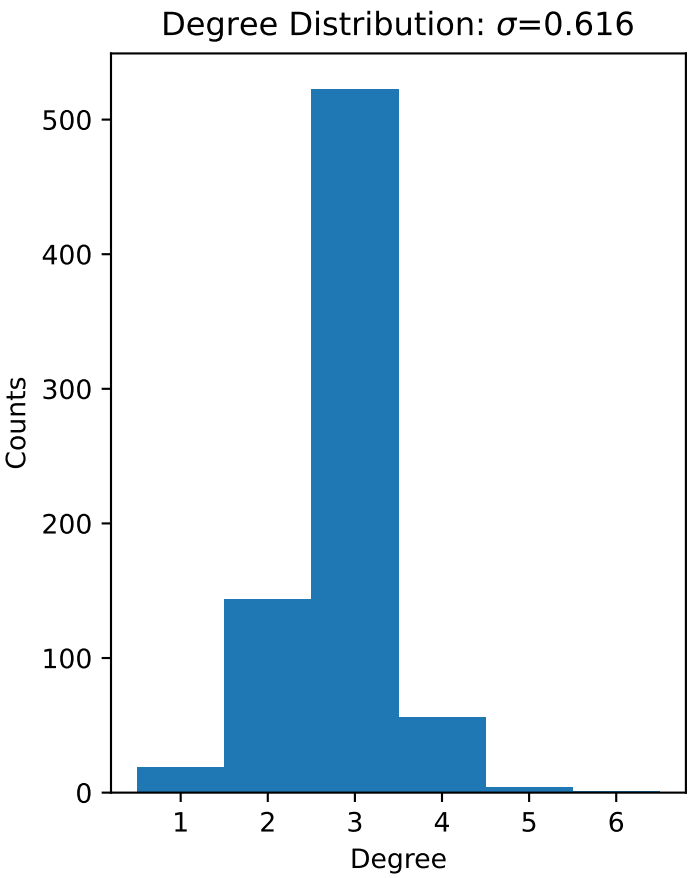


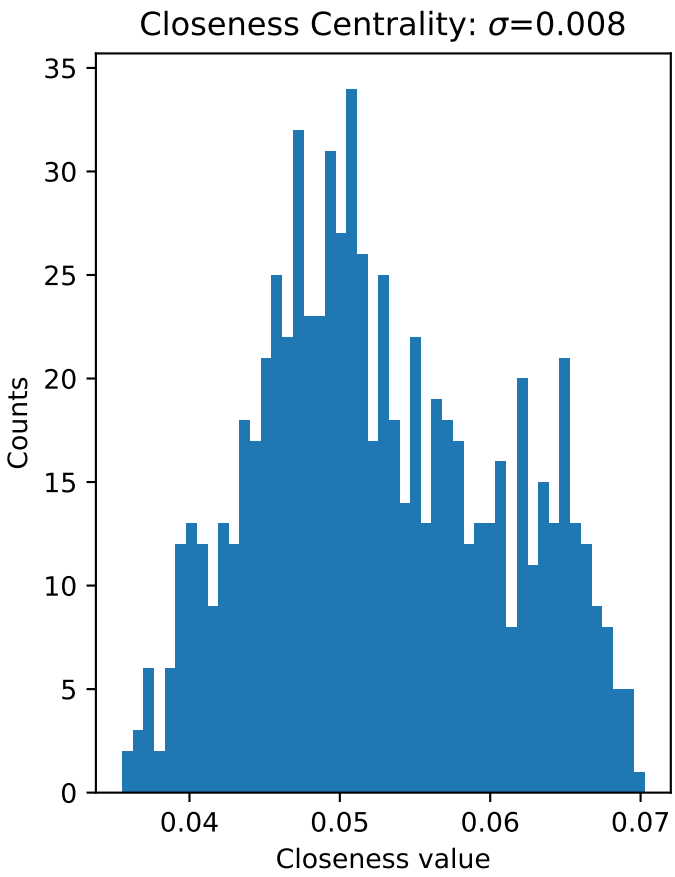
Unweighted GT parameters

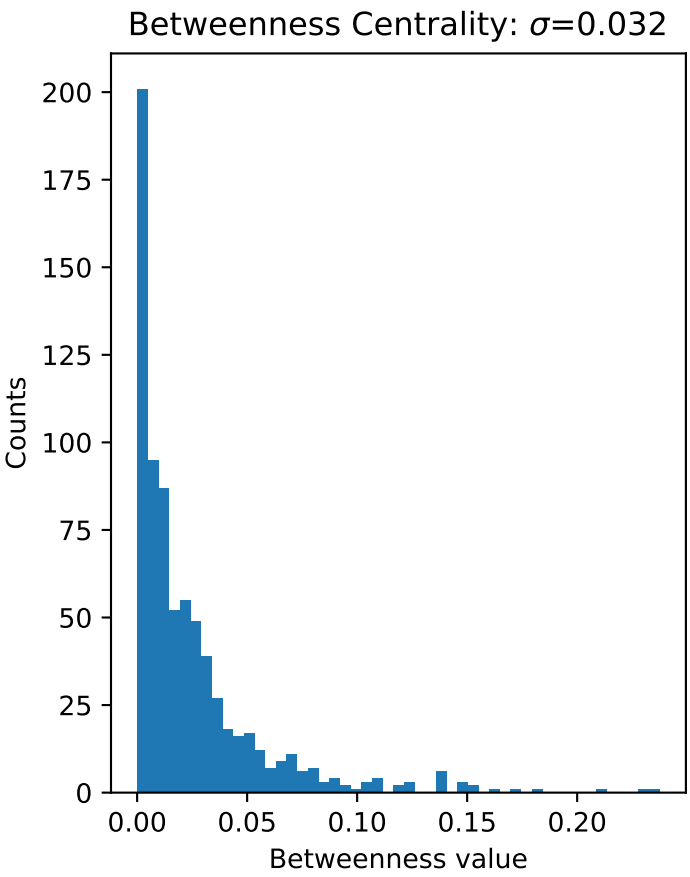
Number of nodes	747
Number of edges	1063
Connectedness ratio	100.0%
Average degree	2.84605
Network diameter	50
Average node connectivity	2.44725
Graph density	0.00382
Global efficiency	0.07447
Wiener Index	5423012.0
Assortativity coefficient	-0.00404
Average clustering coefficient	0.07095
Average betweenness centrality	0.02478
Average eigenvector centrality	0.00682
Average closeness centrality	0.05259

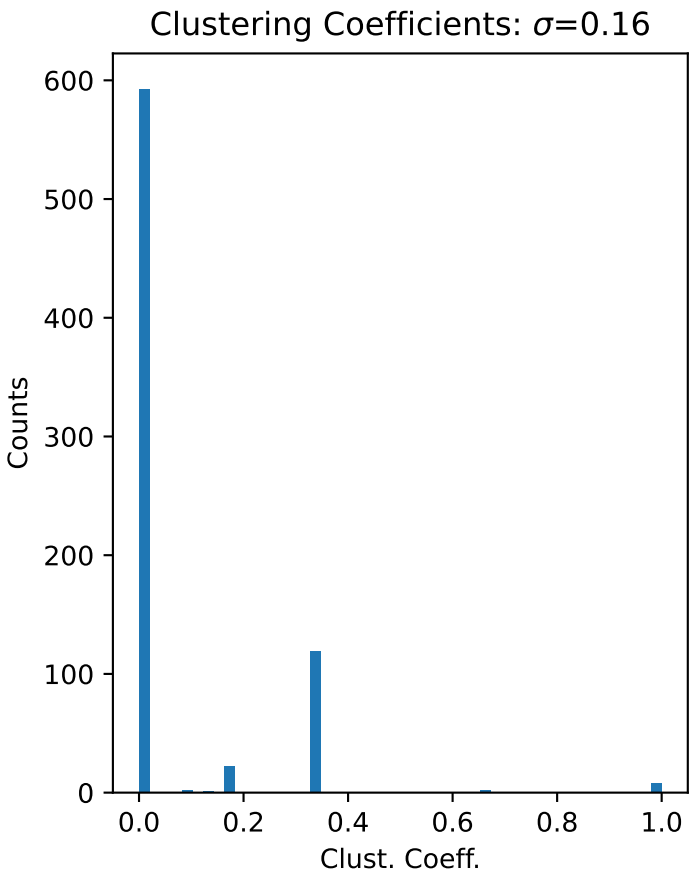
Weighted GT Parameters

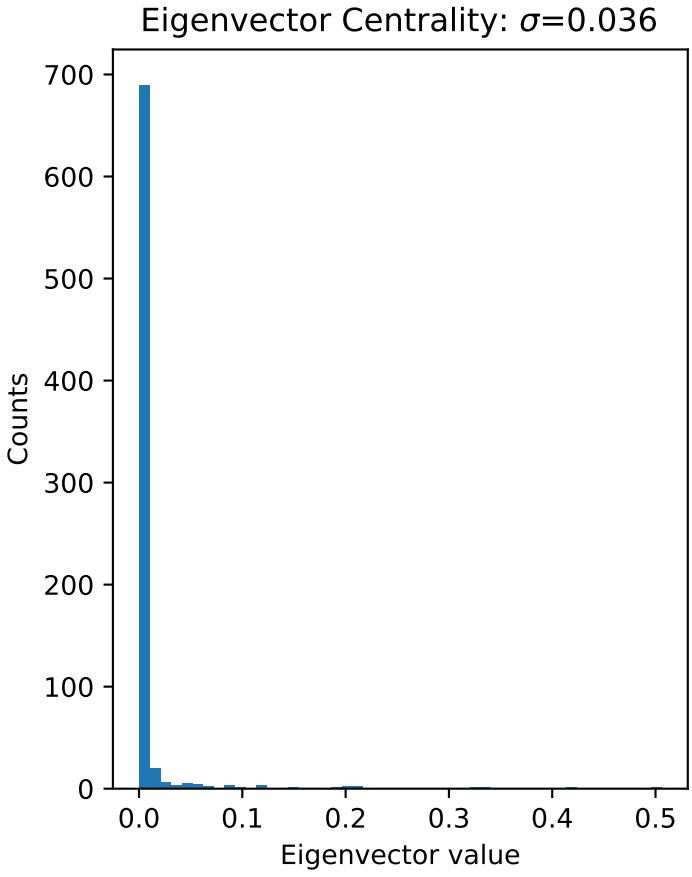
Weighted average degree	7.77635
Length-weighted Wiener Index	82858329.4
Max flow between periphery	5.19754
Weighted assortativity coefficient	0.42573
Width-weighted average betweenness centrality	0.02917
Length-weighted average closeness centrality	0.00345
Width-weighted average eigenvector centrality	0.00308

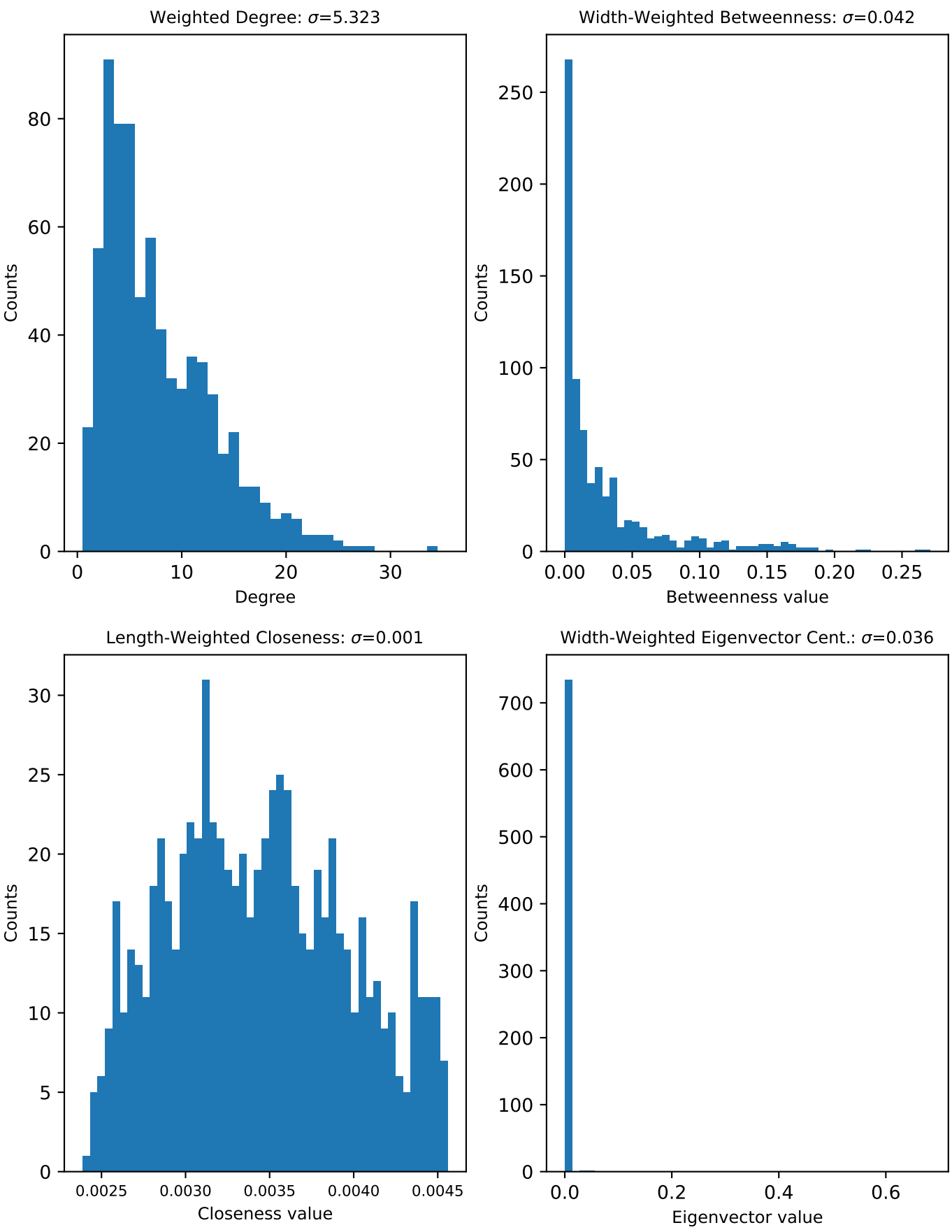

Degree Distribution: σ=0.616
Counts
Degree
0
100
200
300
400
500
1
2
3
4
5
6

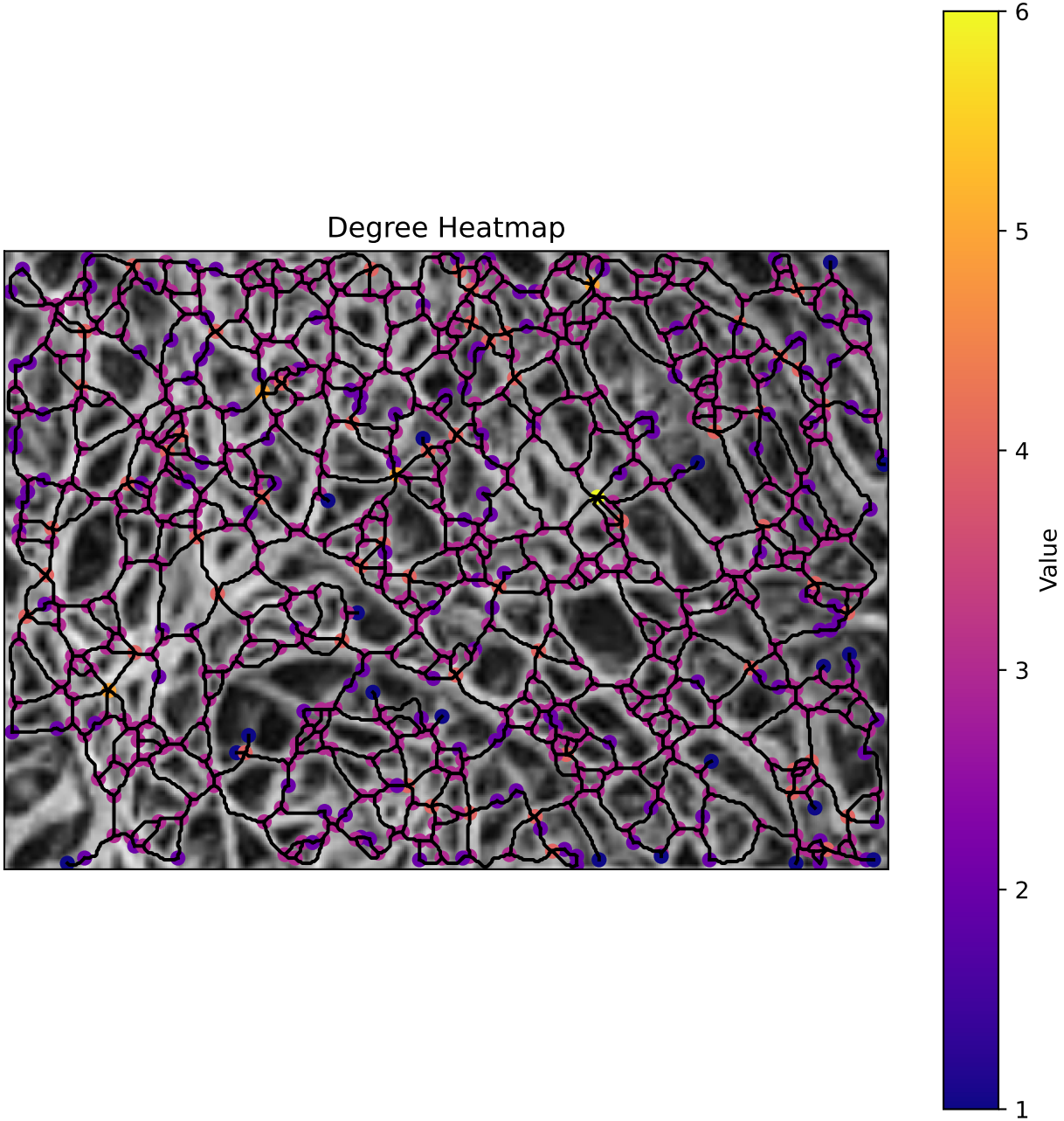

Closeness Centrality: σ=0.008
Counts
Closeness value
0
5
10
15
20
25
30
35
0.04
0.05
0.06
0.07

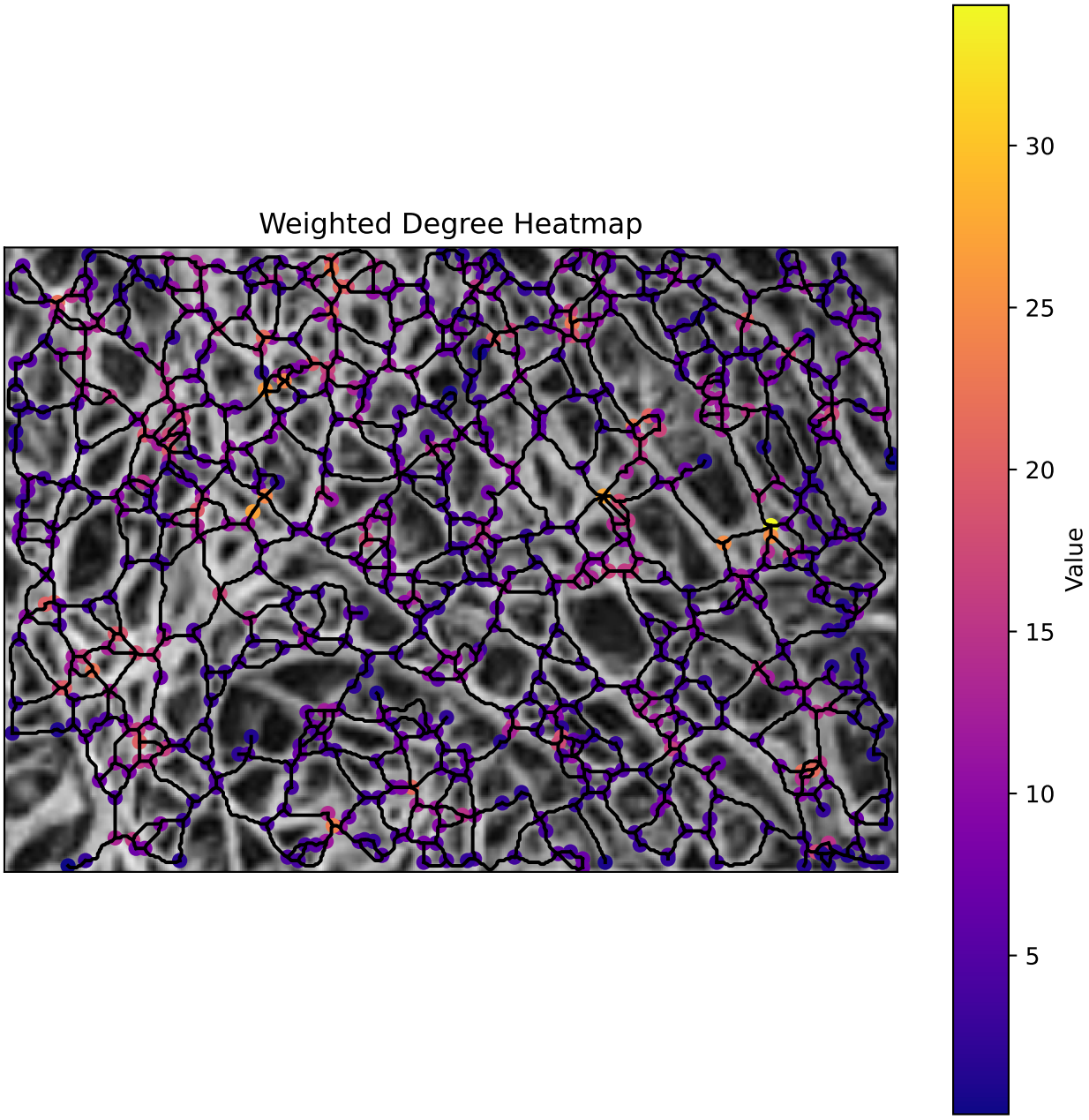

Betweenness Centrality: σ=0.032
Counts
Betweenness value
0
25
50
75
100
125
150
175
200
0.00
0.05
0.10
0.15
0.20

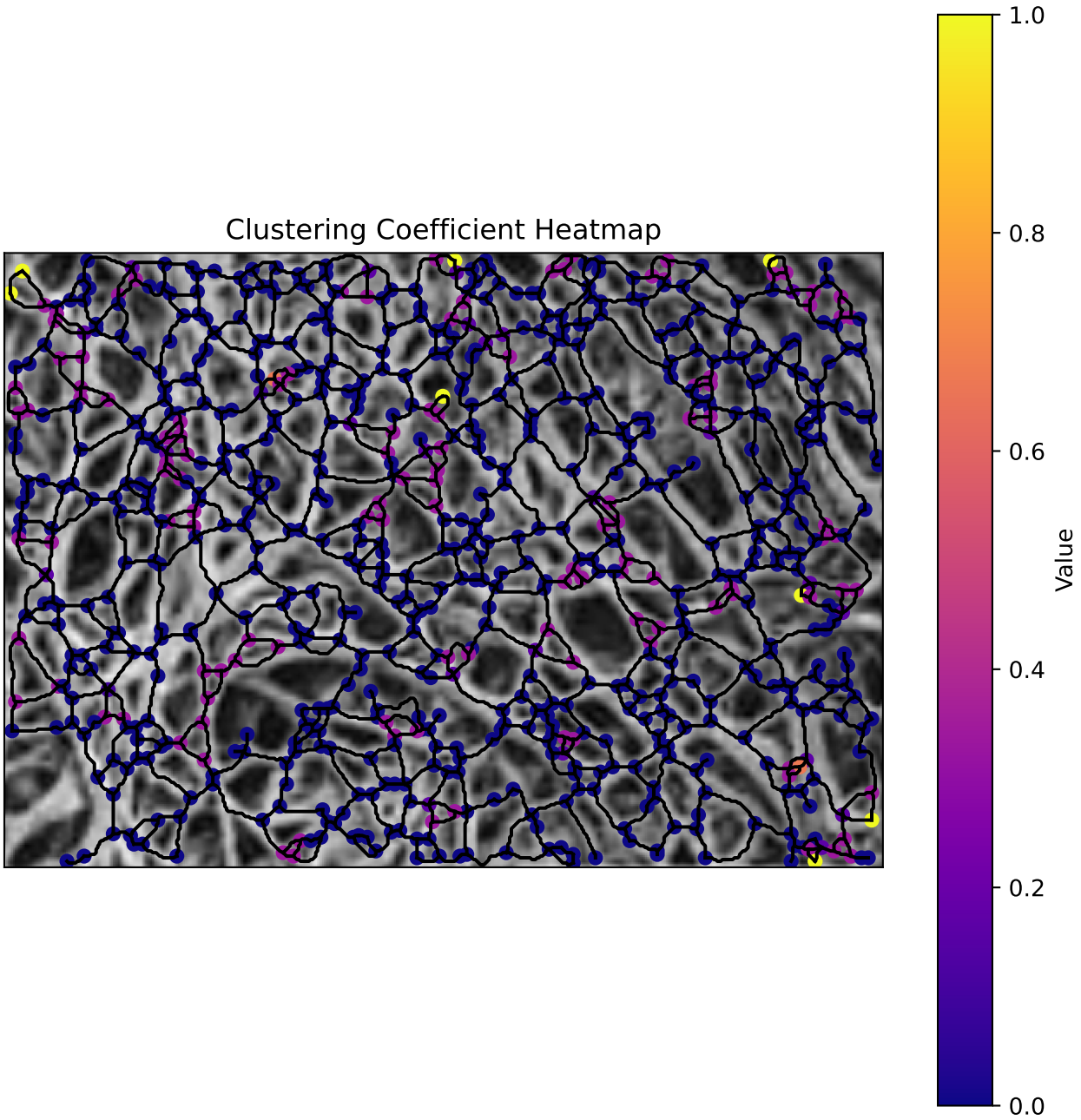

Clustering Coefficients: σ=0.16
Counts
Clust. Coeff.
0
100
200
300
400
500
600
0.0
0.2
0.4
0.6
0.8
1.0

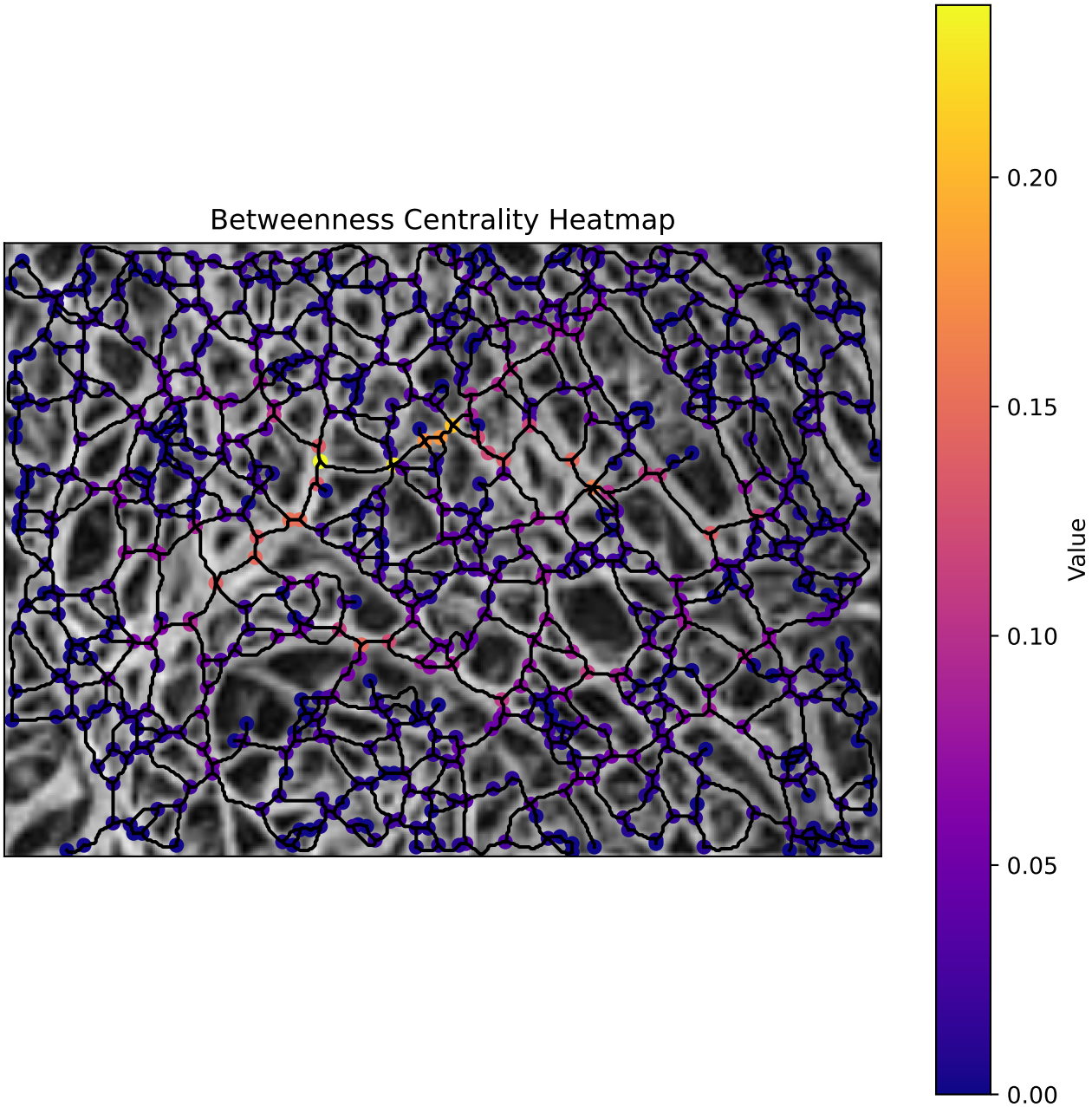

Eigenvector Centrality: σ=0.036
Counts
Eigenvector value
0
100
200
300
400
500
600
700
0.0
0.1
0.2
0.3
0.4
0.5

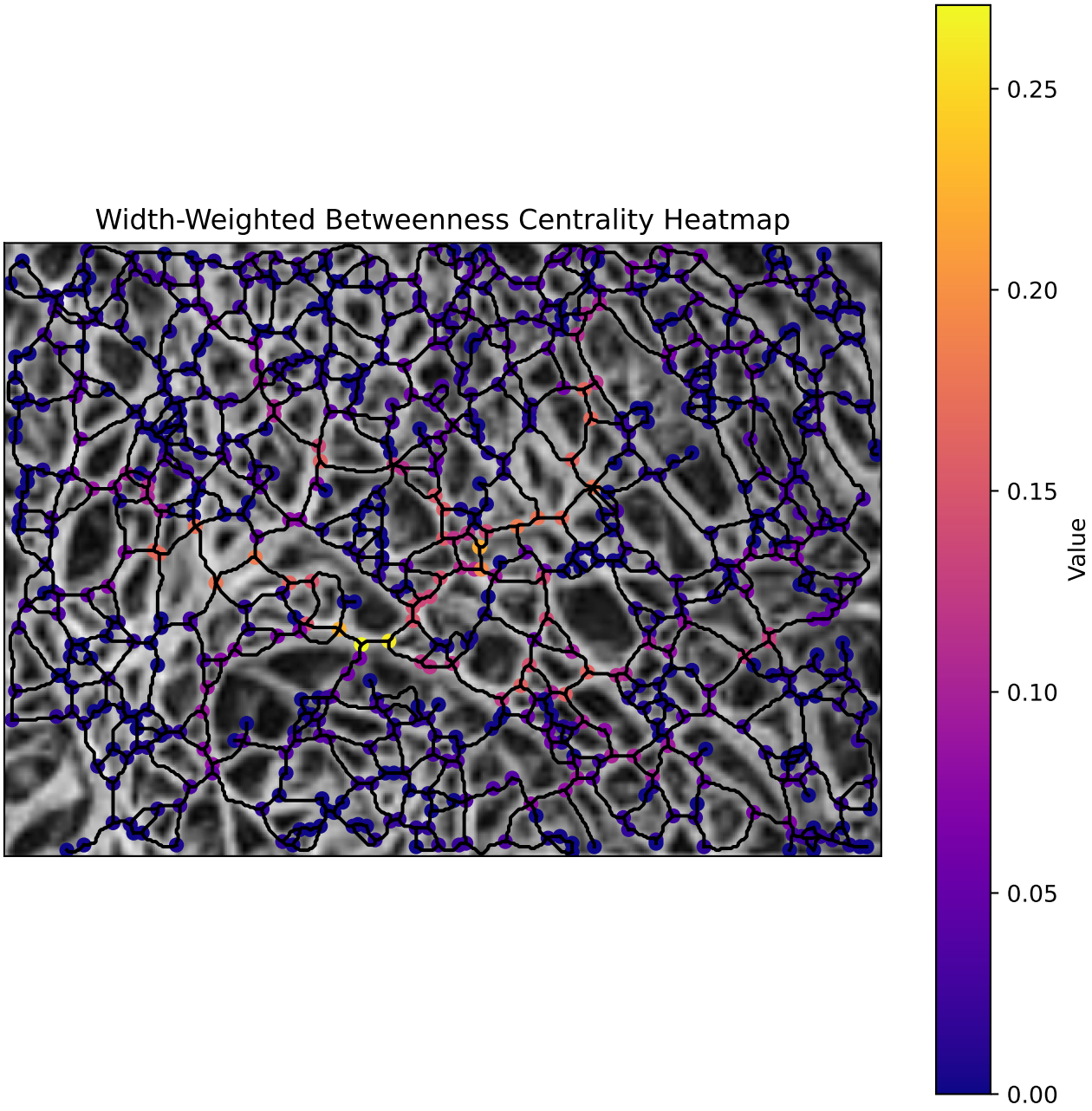

Weighted Degree: σ=5.323
Counts
Degree
Width-Weighted Betweenness: σ=0.042
Counts
Betweenness value
Length-Weighted Closeness: σ=0.001
Counts
Closeness value
Width-Weighted Eigenvector Cent.: σ=0.036
Counts
Eigenvector value

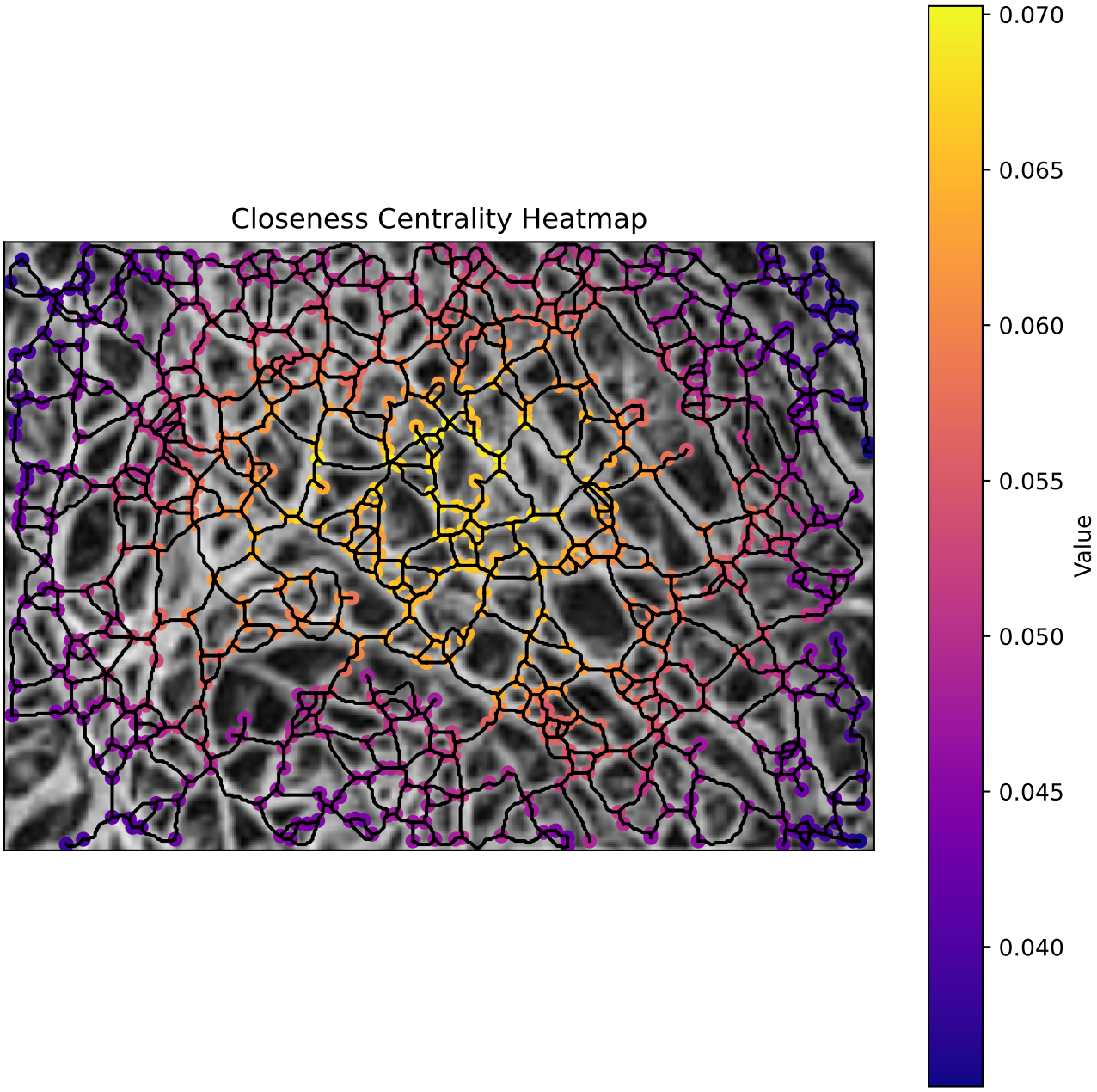

Degree Heatmap
6
5
4
3
2
1
Value

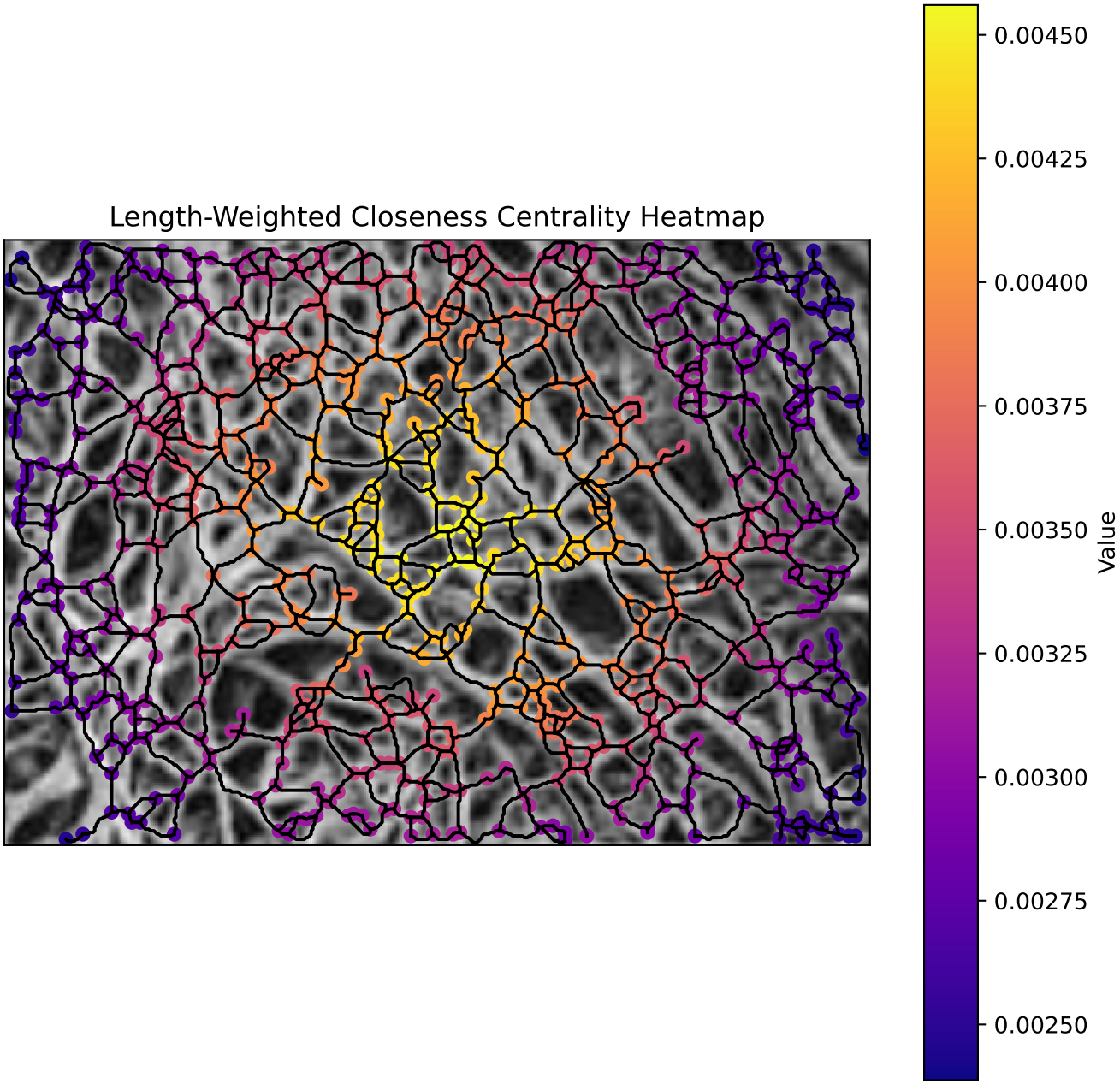

Weighted Degree Heatmap
30
25
20
15
10
5
Value

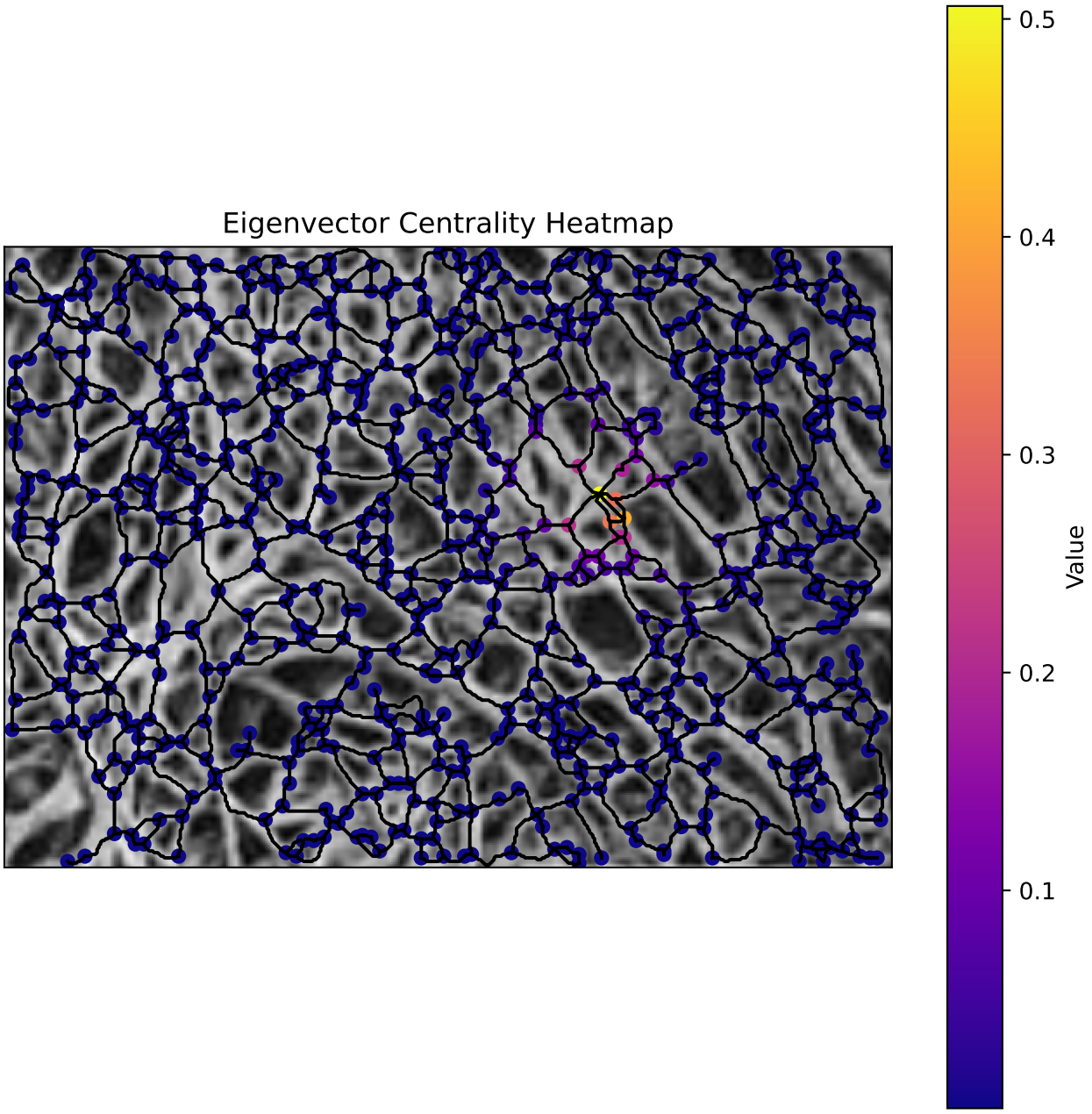

Clustering Coefficient Heatmap
1.0
0.8
0.6
0.4
0.2
0.0
Value

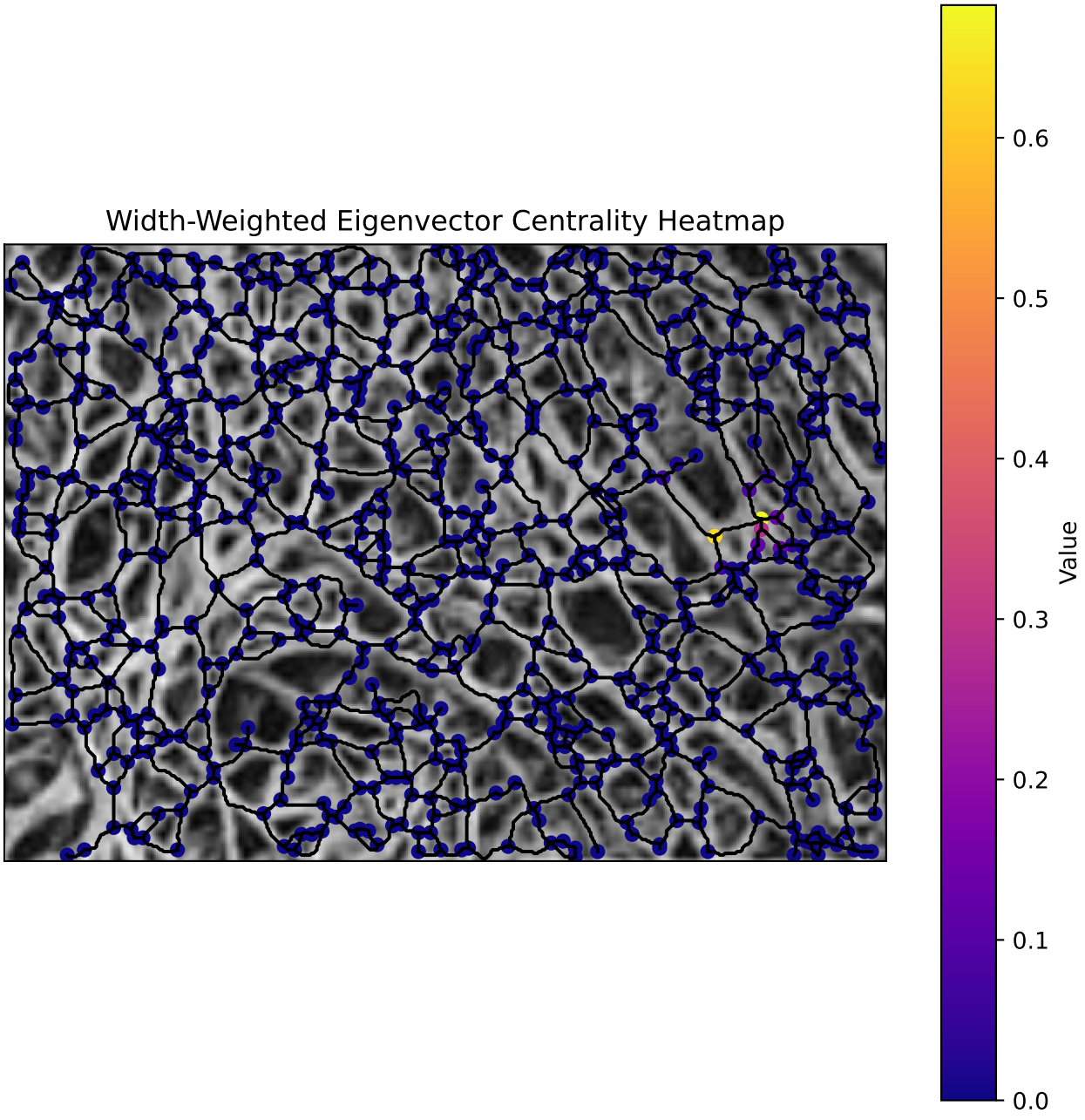

Betweenness Centrality Heatmap
0.20
0.15
0.10
0.05
0.00
Value


Width-Weighted Betweenness Centrality Heatmap
0.25
0.20
0.15
0.10
0.05
0.00
Value


Closeness Centrality Heatmap
0.070
0.065
0.060
0.055
0.050
0.045
0.040
Value


Length-Weighted Closeness Centrality Heatmap
0.00450
0.00425
0.00400
0.00375
0.00350
0.00325
0.00300
0.00275
0.00250
Value


Eigenvector Centrality Heatmap
0.5
0.4
0.3
0.2
0.1
Value


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


Run Info
../examples/InVitroBioFilm.png || 2024-02-13 10:37:22
|| Global Threshold (127) || Autolevel || Scharr Gradient || Low-pass filterNone
|| Merge Nodes || Prune Dangling Edges || Remove Objects of Size 500 || Remove Self Loops