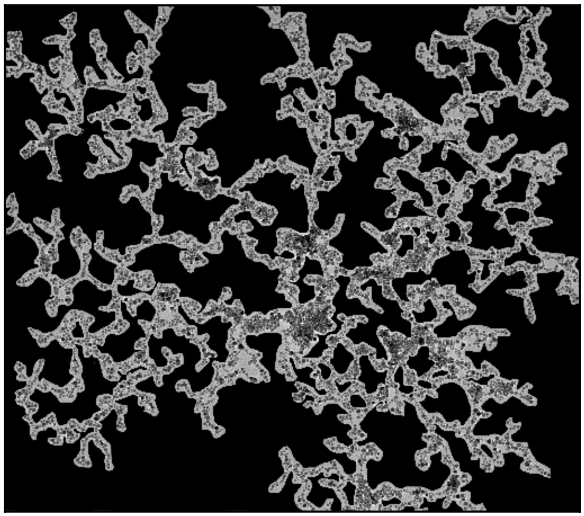
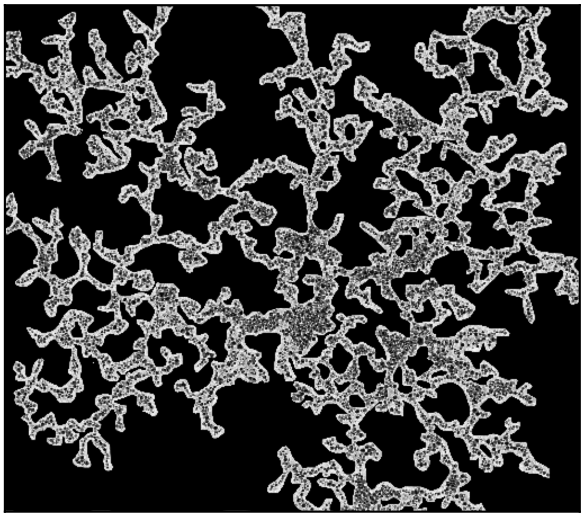
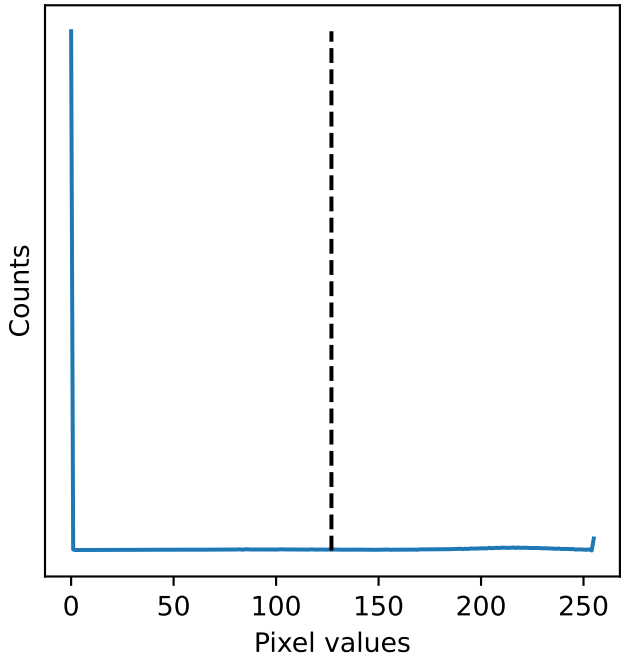
Original Image



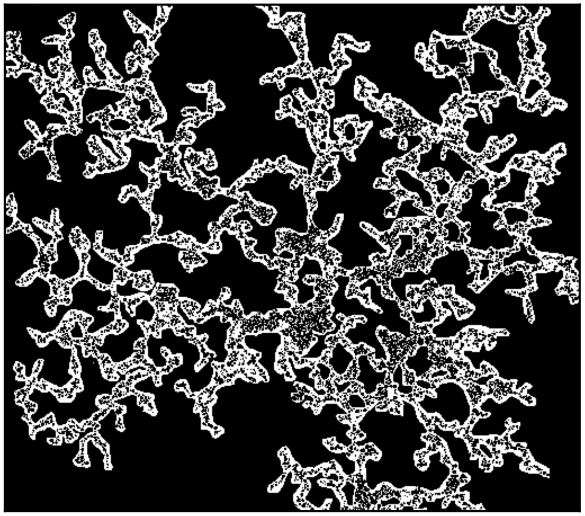
Processed Image



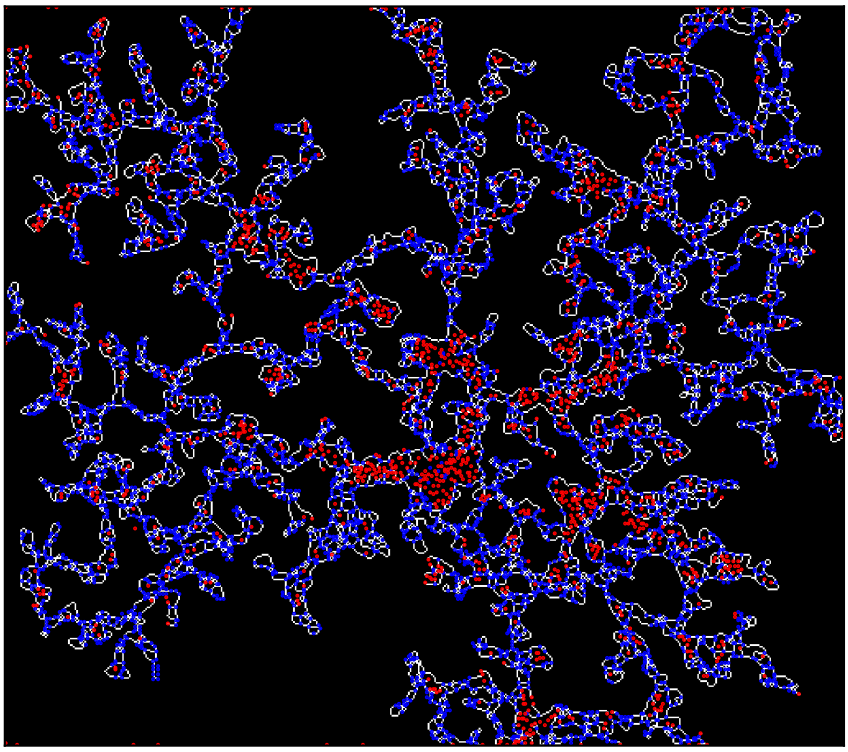
Histogram of Processed Image



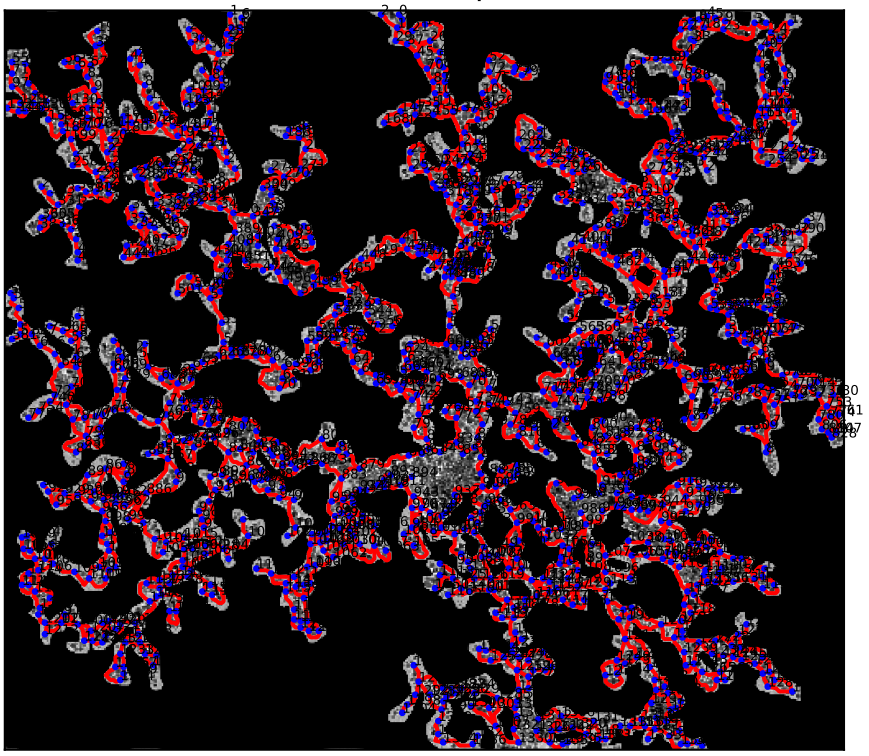
Binary Image



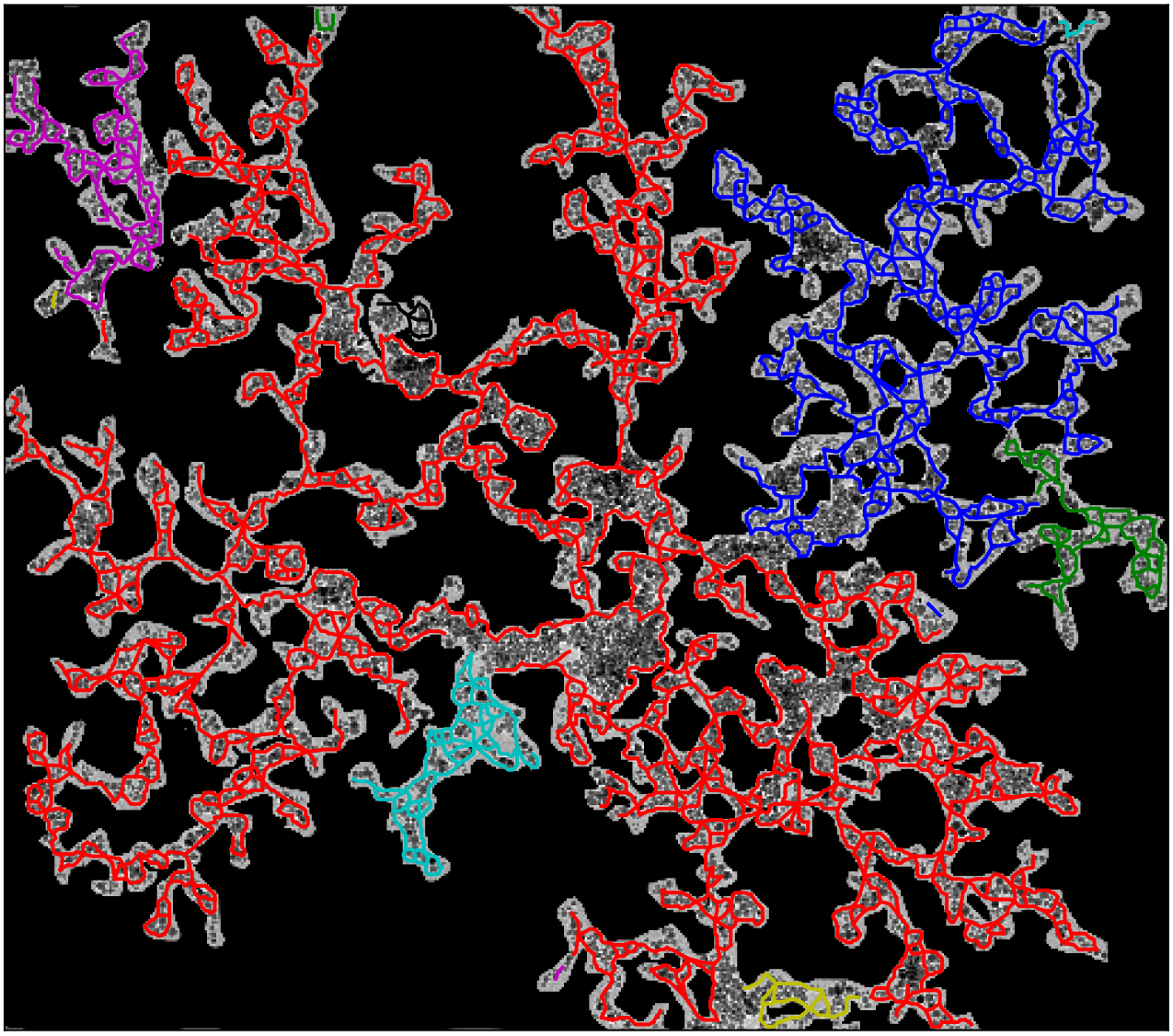
Skeletal Image



Final Graph



Sub Graphs

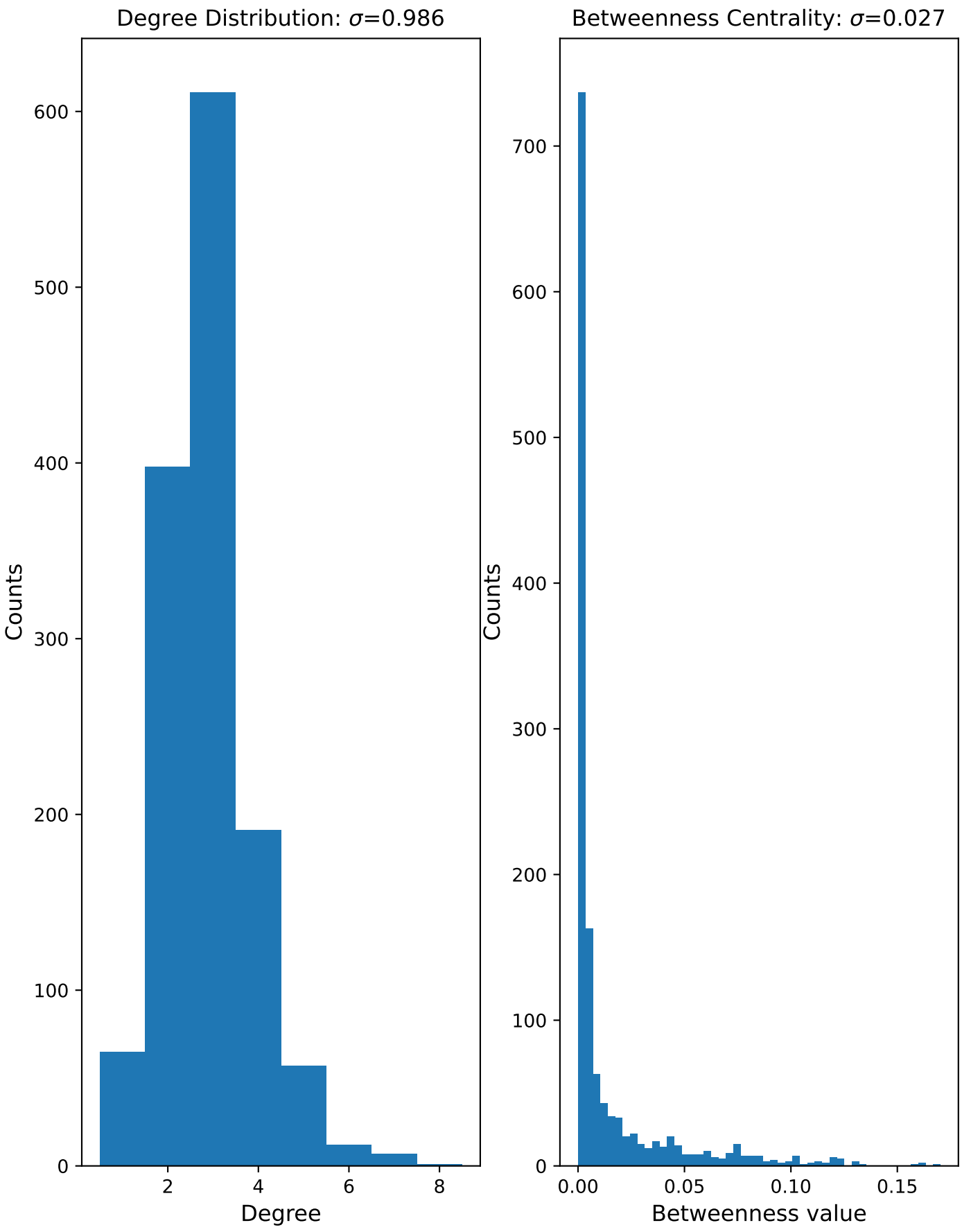


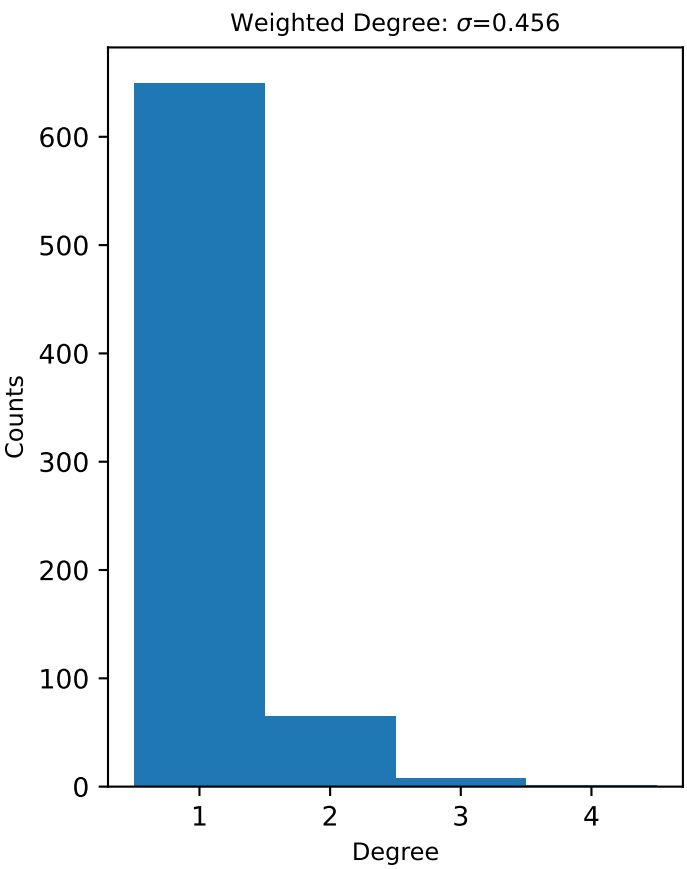
Unweighted GT parameters

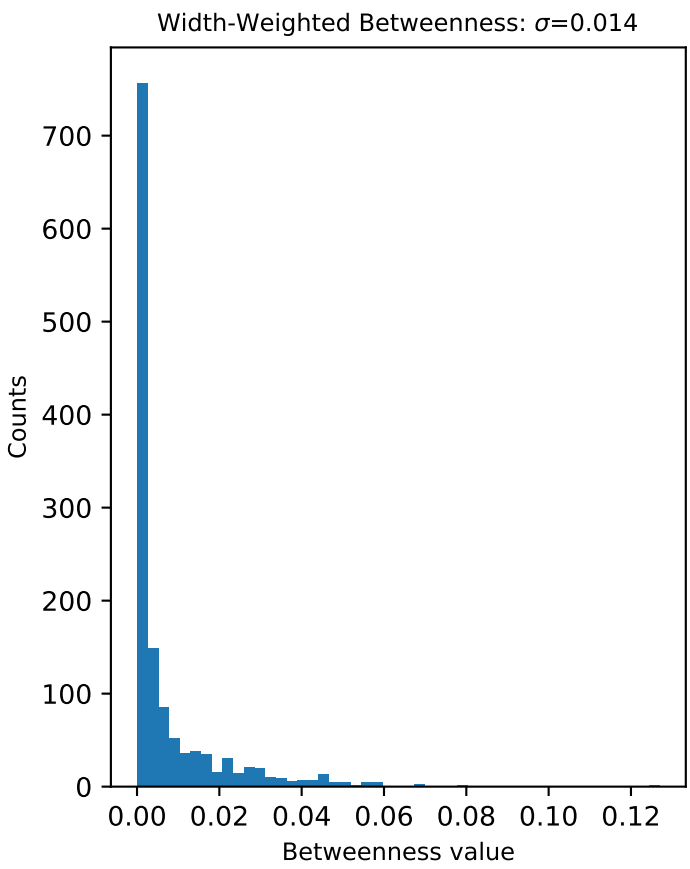
Number of nodes	1342
Number of edges	1936
Average degree	2.88525
Network diameter	NaN
Average nodal connectivity	NaN
Graph density	0.00215
Global efficiency	0.03259
Wiener Index	inf
Assortativity coefficient	0.03613
Average betweenness centrality	0.01461
Subgraph Count	13
Large Subgraph Node Count	870
Large Subgraph Edge Count	1089
Small Subgraph Node Count	2
Small Subgraph Edge Count	1
Graph Conductance (max)	0.01070951343939877
Graph Conductance (min)	2.8673419527165718e-05

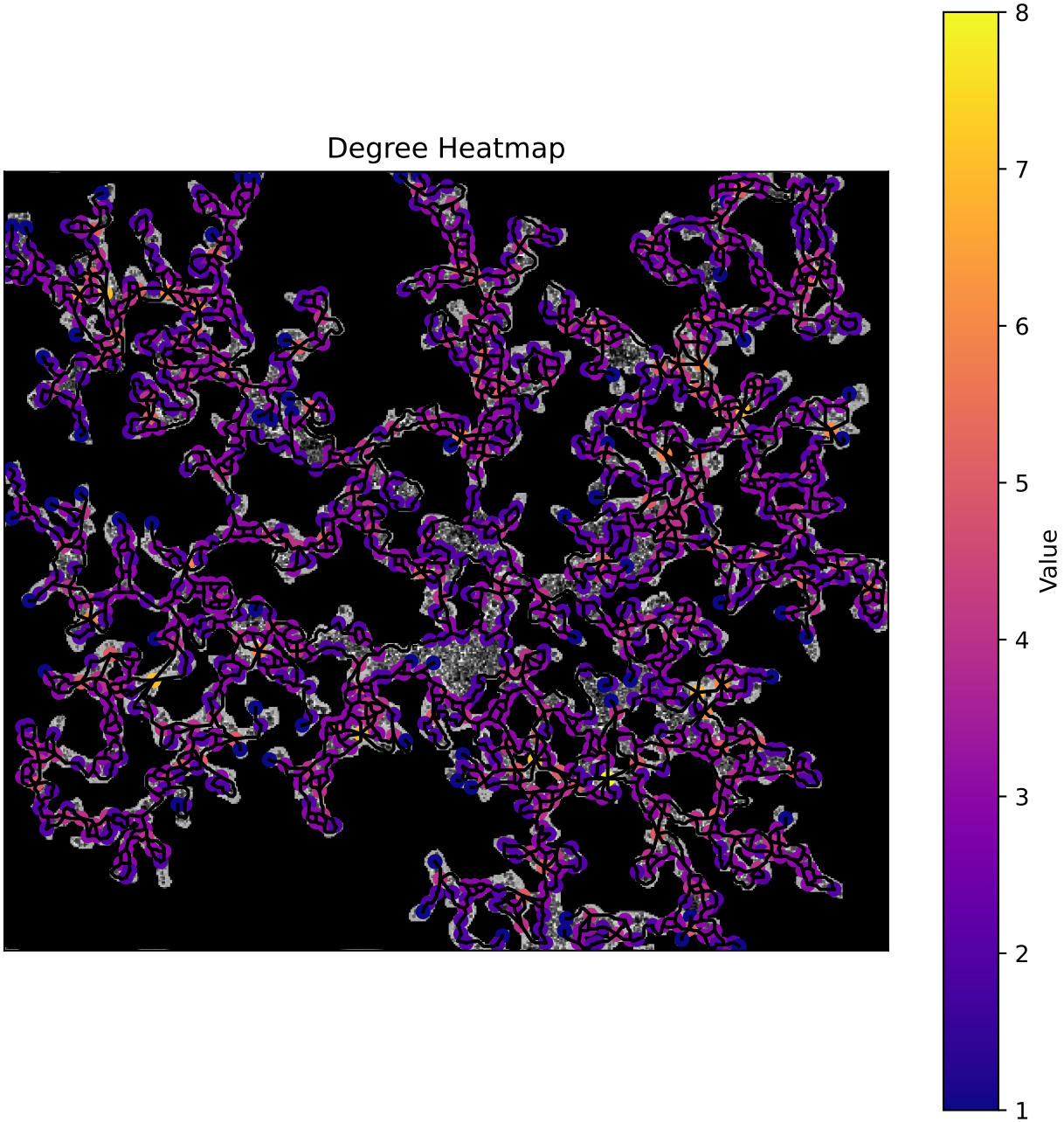
Weighted GT Parameters

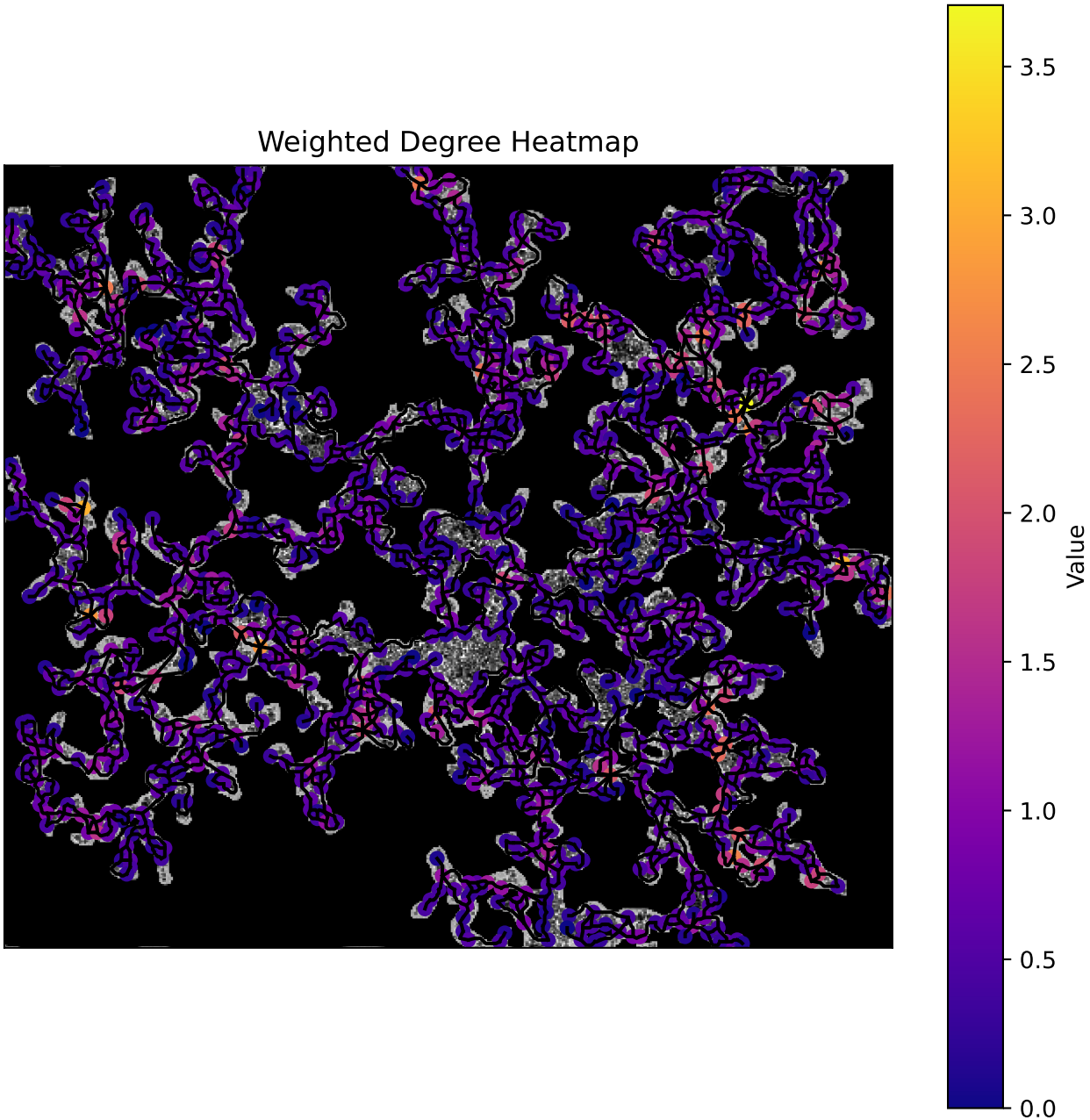
Weighted average degree	0.62415
Length-weighted Wiener Index	inf
Max flow between periphery	NaN
Weighted assortativity coefficient	0.25115
Width-weighted average betweenness centrality	0.00773

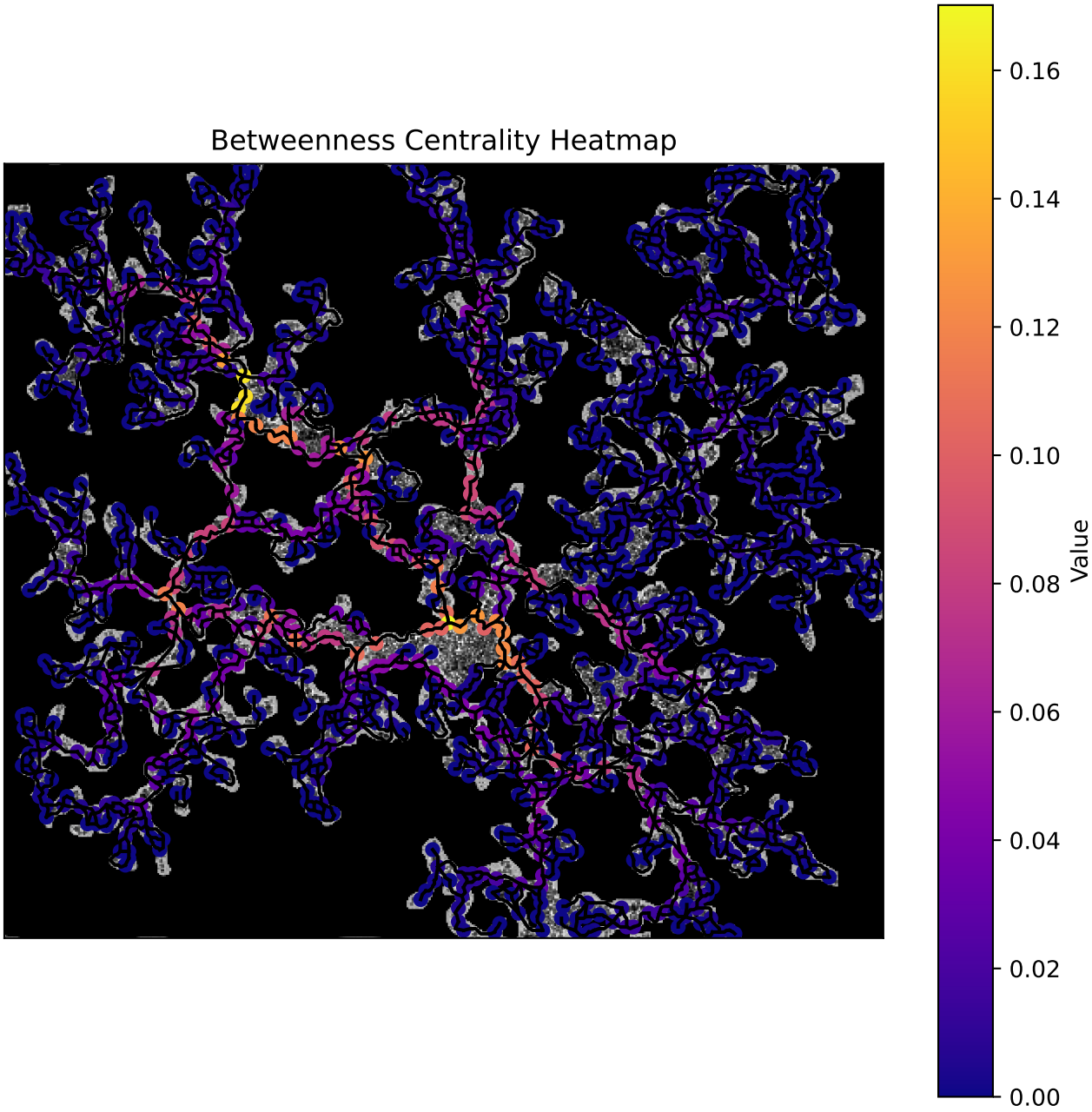

Degree Distribution: σ=0.986
Counts
Degree
0
100
200
300
400
500
600
2
4
6
8
Betweenness Centrality: σ=0.027
Counts
Betweenness value
0
100
200
300
400
500
600
700
0.00
0.05
0.10
0.15

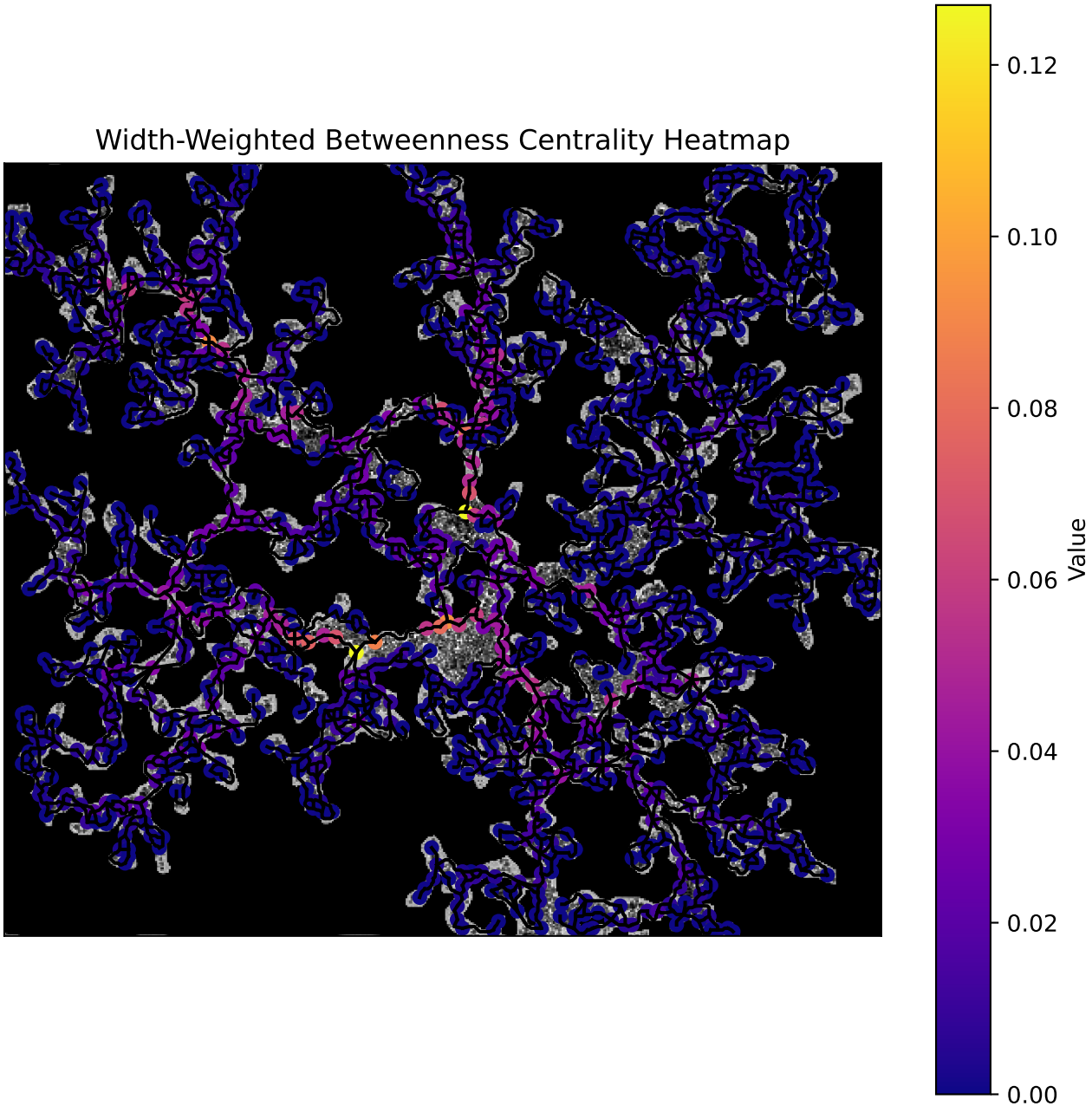

Weighted Degree: σ=0.456
Counts
Degree
0
100
200
300
400
500
600
1
2
3
4

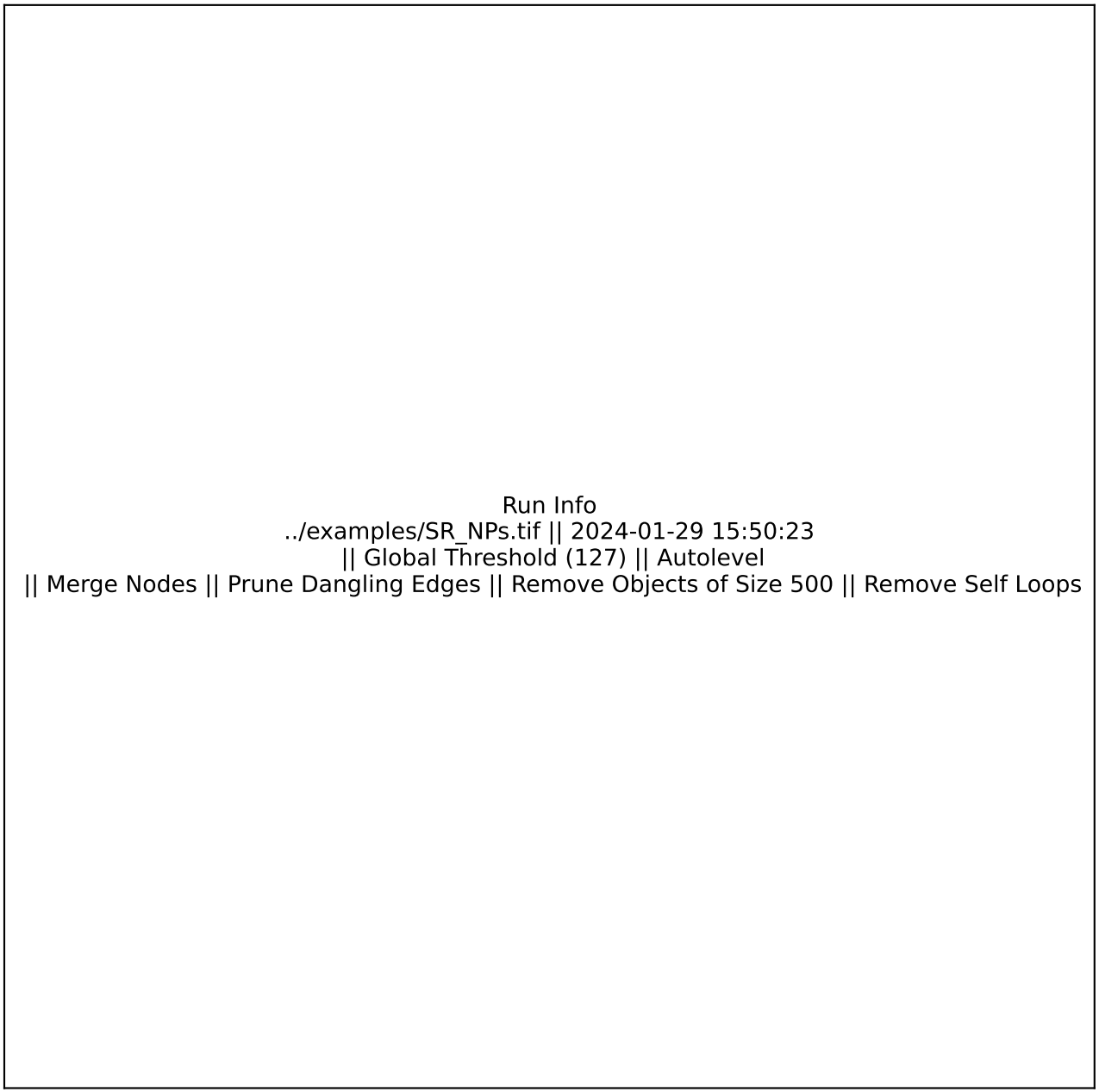

Width-Weighted Betweenness: σ=0.014
Counts
Betweenness value
0
100
200
300
400
500
600
700
0.00
0.02
0.04
0.06
0.08
0.10
0.12


Degree Heatmap
8
7
6
5
4
3
2
1
Value


Weighted Degree Heatmap
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Value


Betweenness Centrality Heatmap
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Value


Width-Weighted Betweenness Centrality Heatmap
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Value


Run Info
../examples/SR_NPs.tif || 2024-01-29 15:50:23
|| Global Threshold (127) || Autolevel
|| Merge Nodes || Prune Dangling Edges || Remove Objects of Size 500 || Remove Self Loops