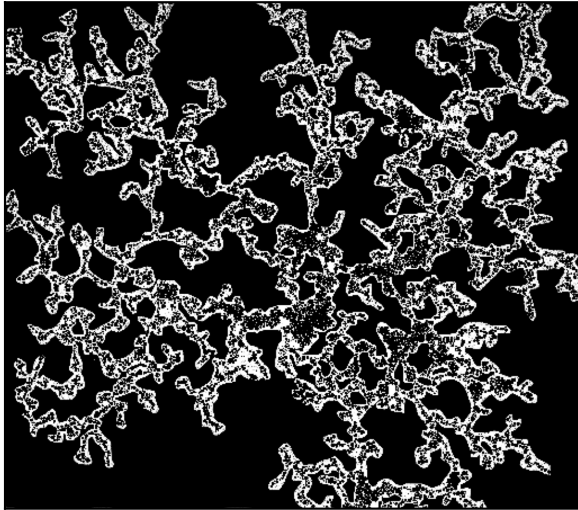
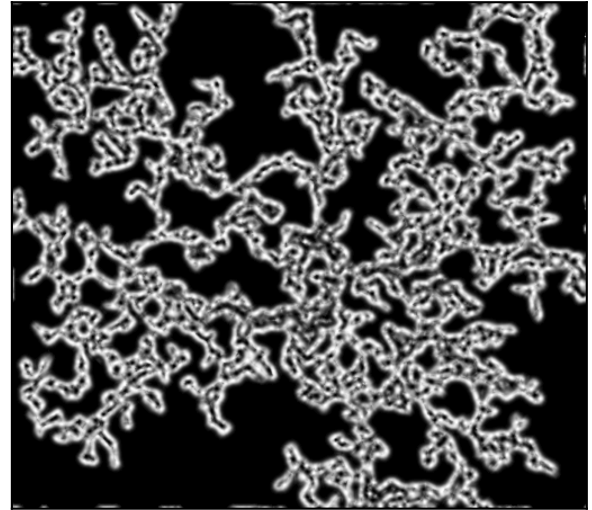


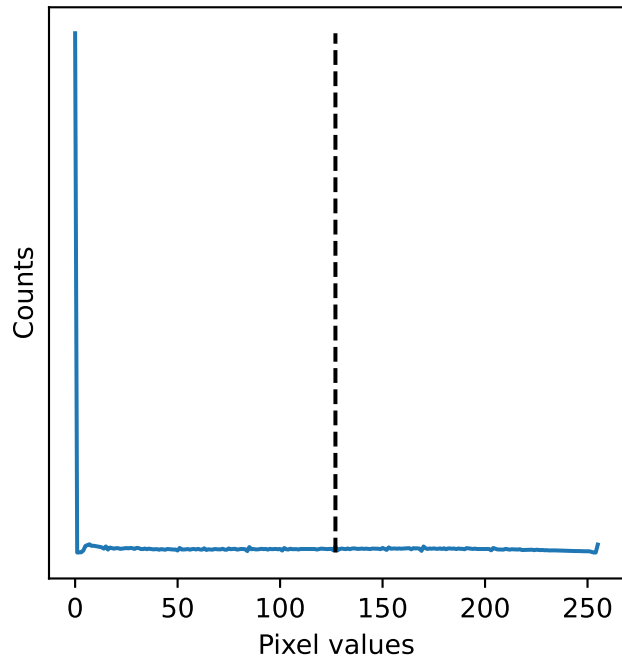
Original Image



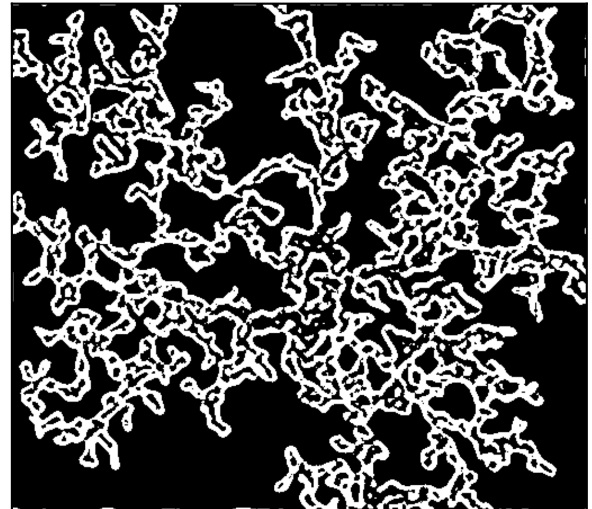
Processed Image



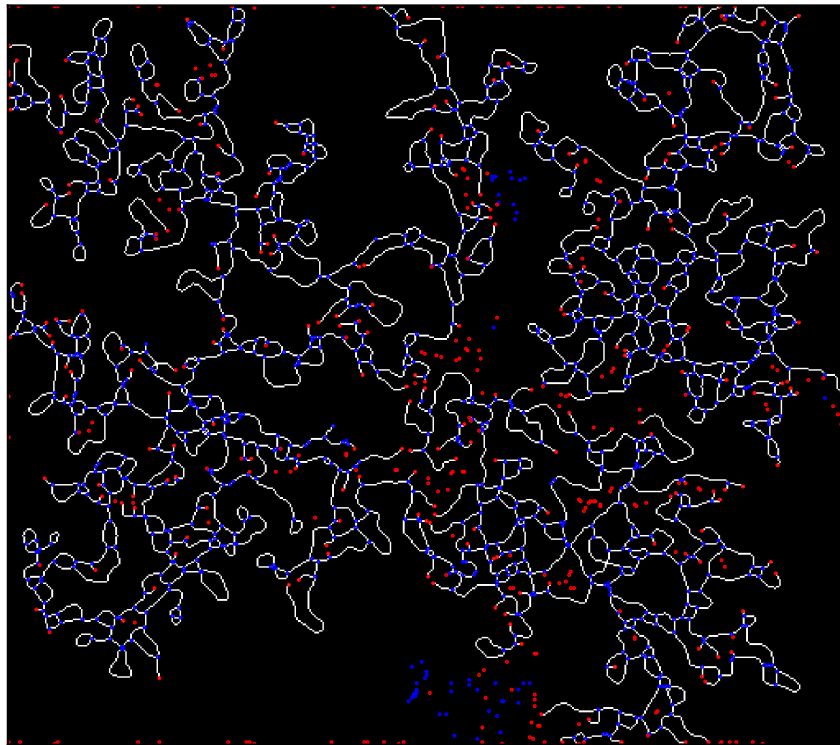
Histogram of Processed Image



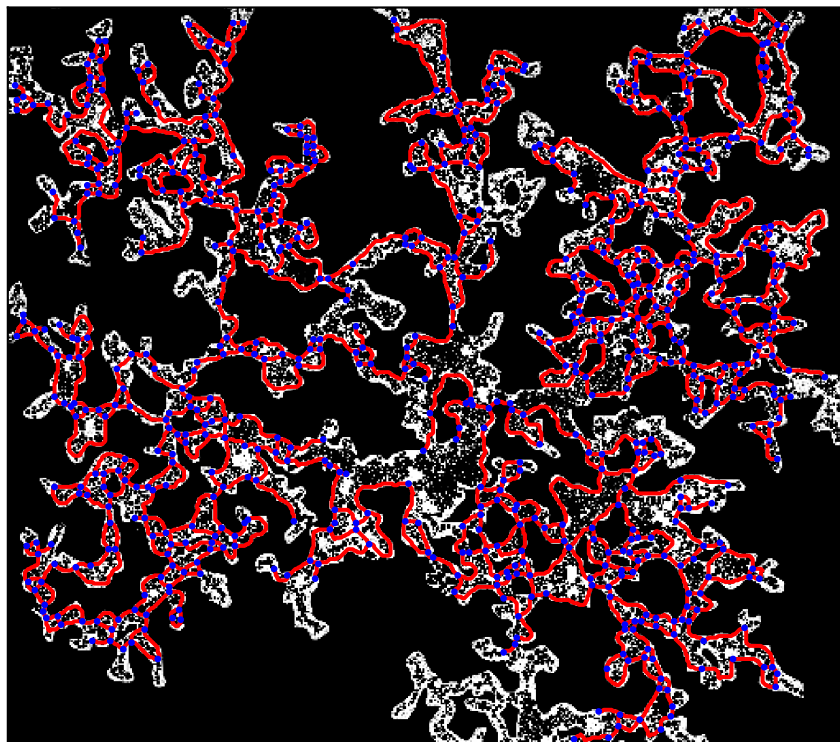
Binary Image



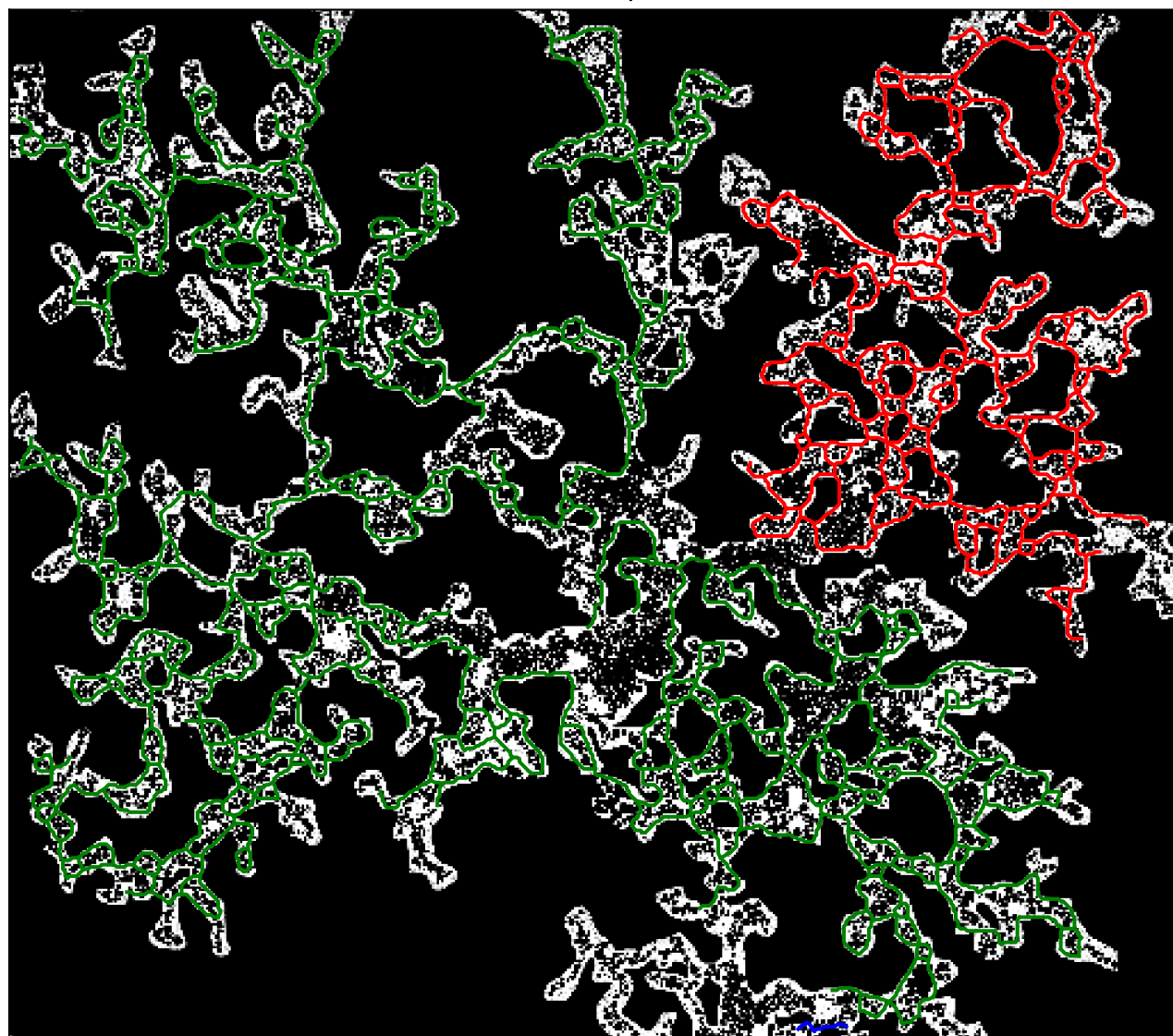
Skeletal Image



Final Graph



Sub Graphs



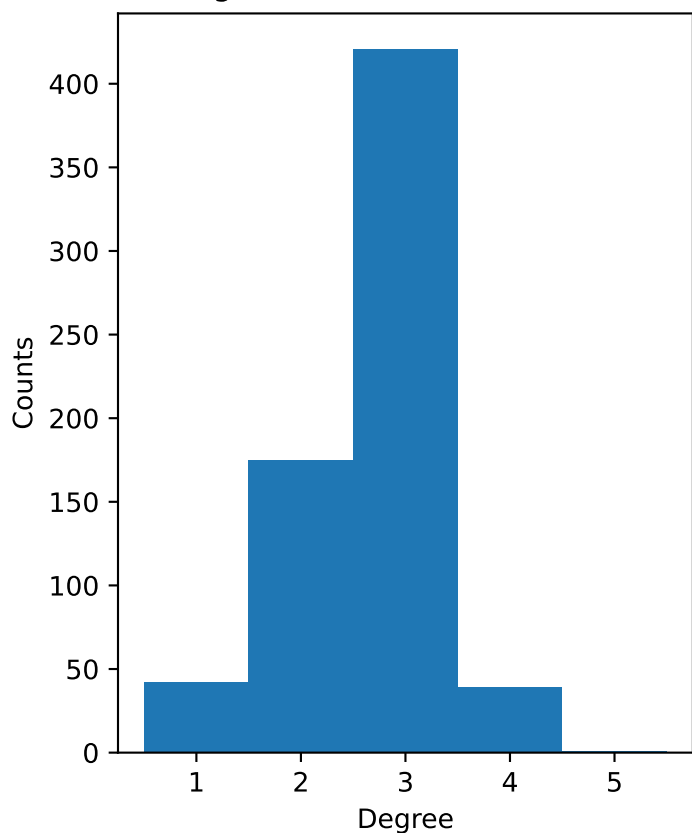
### Unweighted GT parameters

Number of nodes	678
Number of edges	908
Connectedness ratio	72.42%
Average degree	2.67847
Network diameter	NaN
Average nodal connectivity	NaN
Graph density	0.00396
Global efficiency	0.04231
Wiener Index	inf
Assortativity coefficient	0.09237
Average clustering coefficient	0.1293
Average betweenness centrality	0.02206
Average eigenvector centrality	0.00833
Average closeness centrality	0.02555
Subgraph Count	3
Large Subgraph Node Count	489
Large Subgraph Edge Count	633
Small Subgraph Node Count	2
Small Subgraph Edge Count	1
Graph Conductance (max)	0.016643772287391726
Graph Conductance (min)	6.92537889886372e-05
Average current-flow betweenness centrality	-0.00203

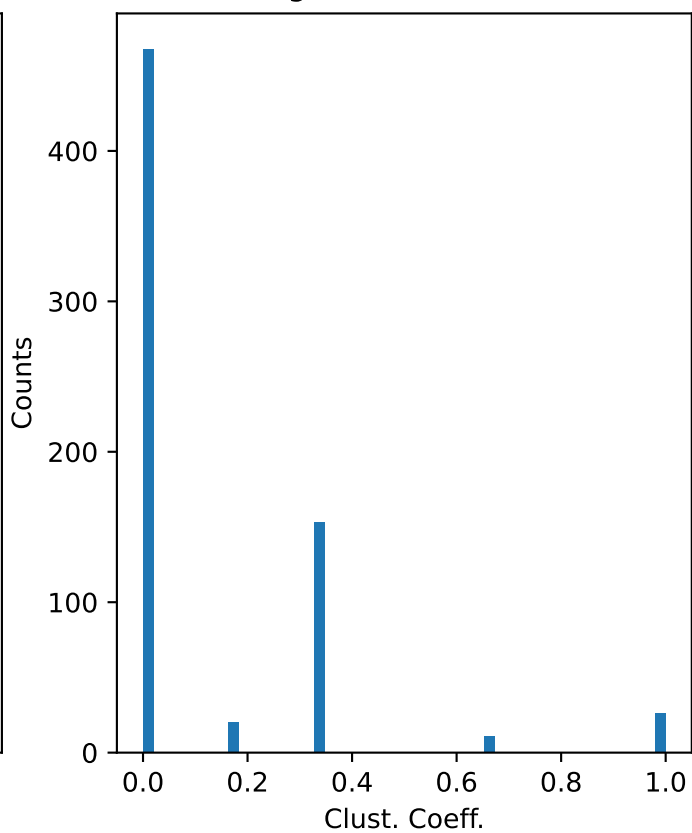
## Weighted GT Parameters

Weighted average degree	1.13204
Length-weighted Wiener Index	inf
Max flow between periphery	NaN
Weighted assortativity coefficient	0.29739
Width-weighted average betweenness centrality	0.01919
Length-weighted average closeness centrality	0.00175
Width-weighted average eigenvector centrality	0.00271
Weighted Subgraph Count	Weighted 3
Weighted Large Subgraph Node Count	Weighted 489
Weighted Large Subgraph Edge Count	Weighted 633
Weighted Small Subgraph Node Count	Weighted 2
Weighted Small Subgraph Edge Count	Weighted 1
Weighted Graph Conductance (max)	Weighted 0.016643772287391726
Weighted Graph Conductance (min)	Weighted 6.92537889886372e-05

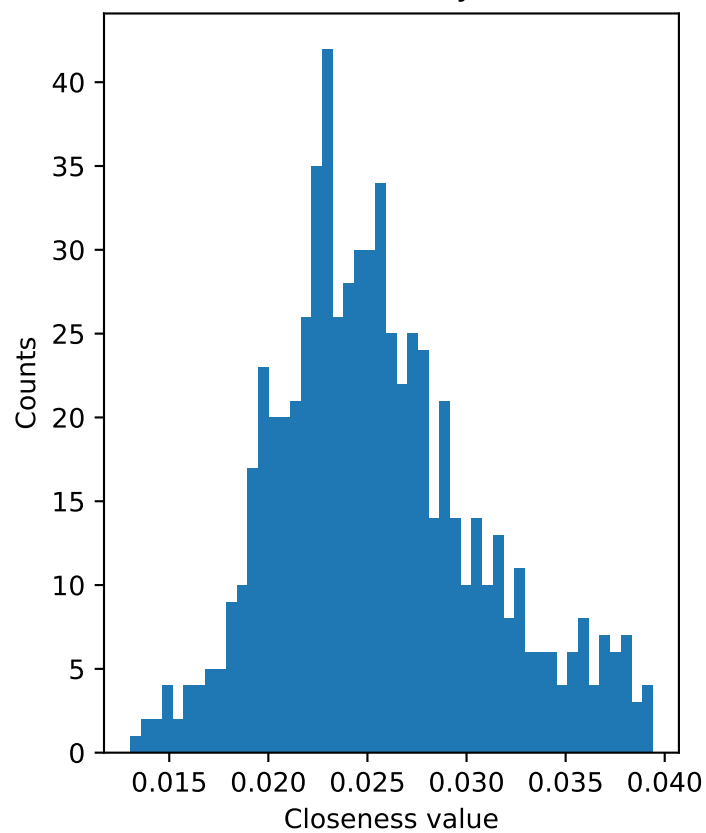
Degree Distribution:  $\sigma=0.683$



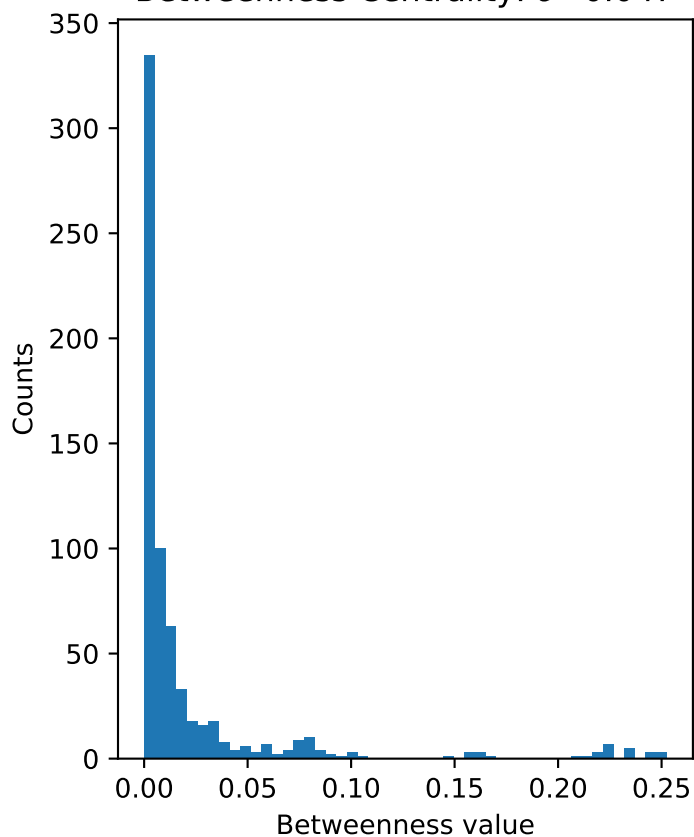
Clustering Coefficients:  $\sigma=0.234$



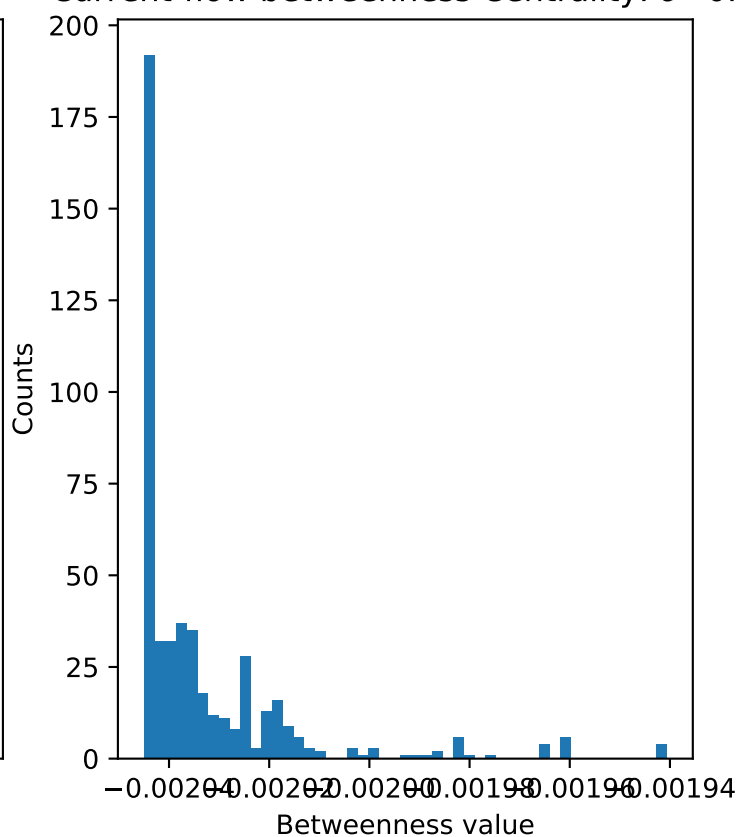
Closeness Centrality:  $\sigma=0.005$



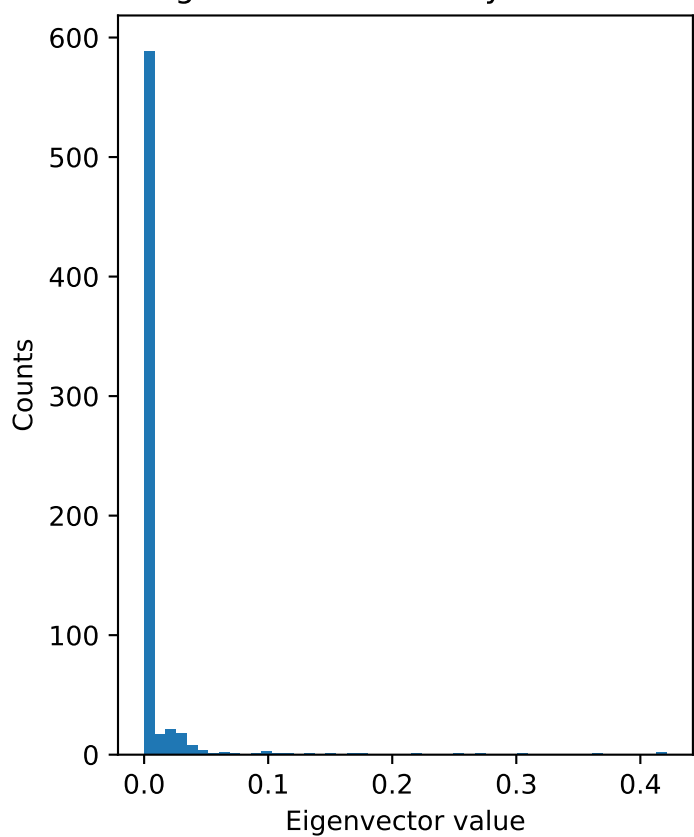
Betweenness Centrality:  $\sigma=0.047$



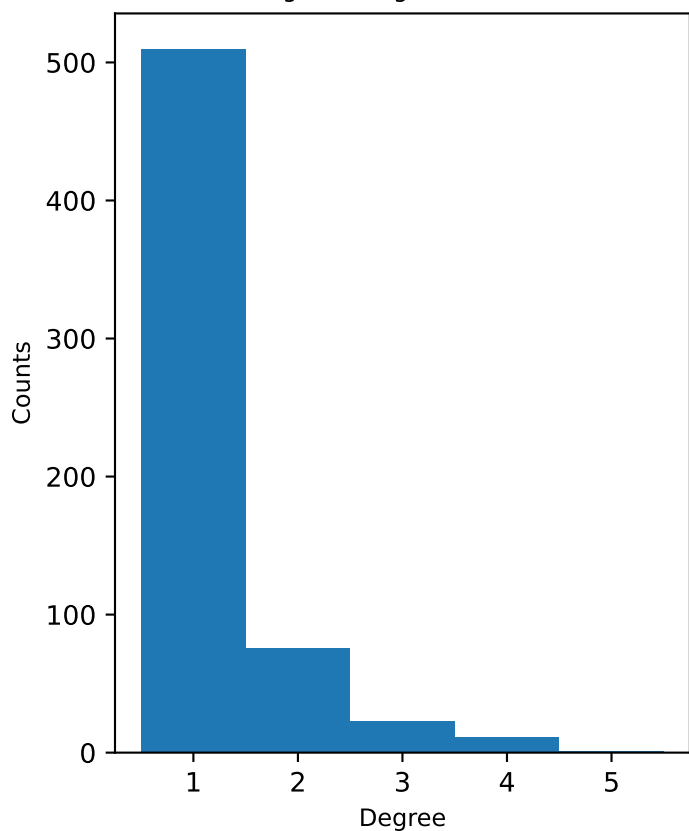
Current-flow betweenness Centrality:  $\sigma=0.0$



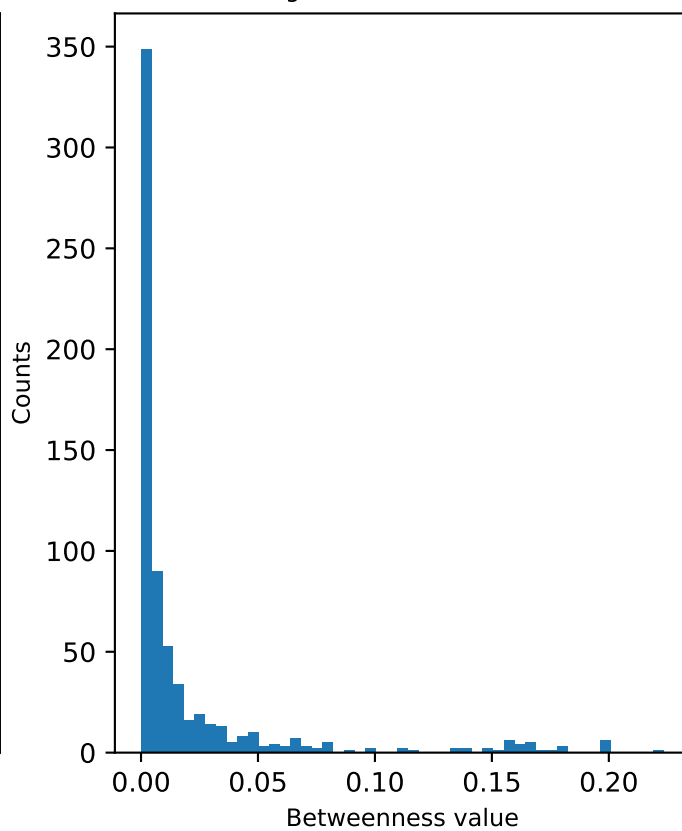
Eigenvector Centrality:  $\sigma=0.038$



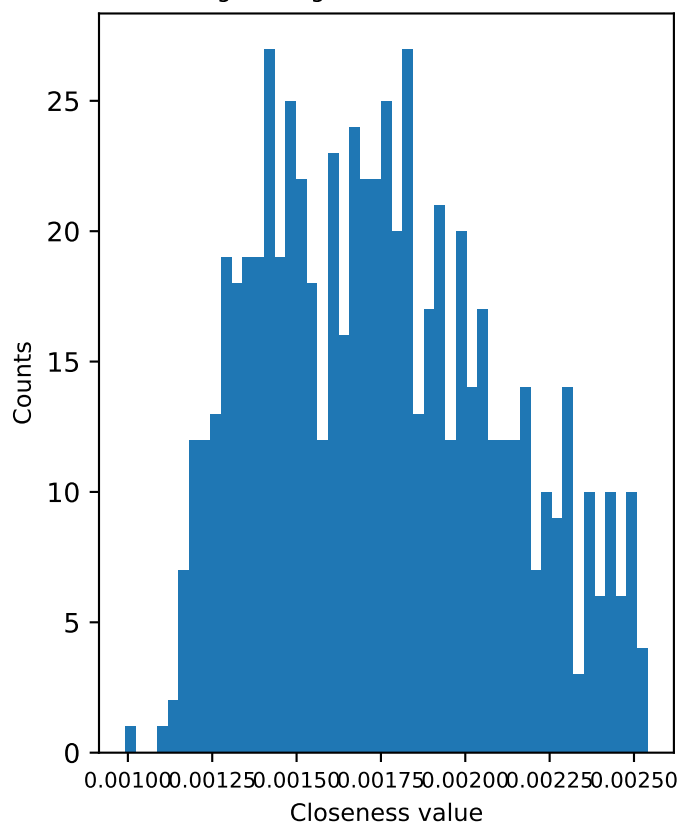
Weighted Degree:  $\sigma=0.654$



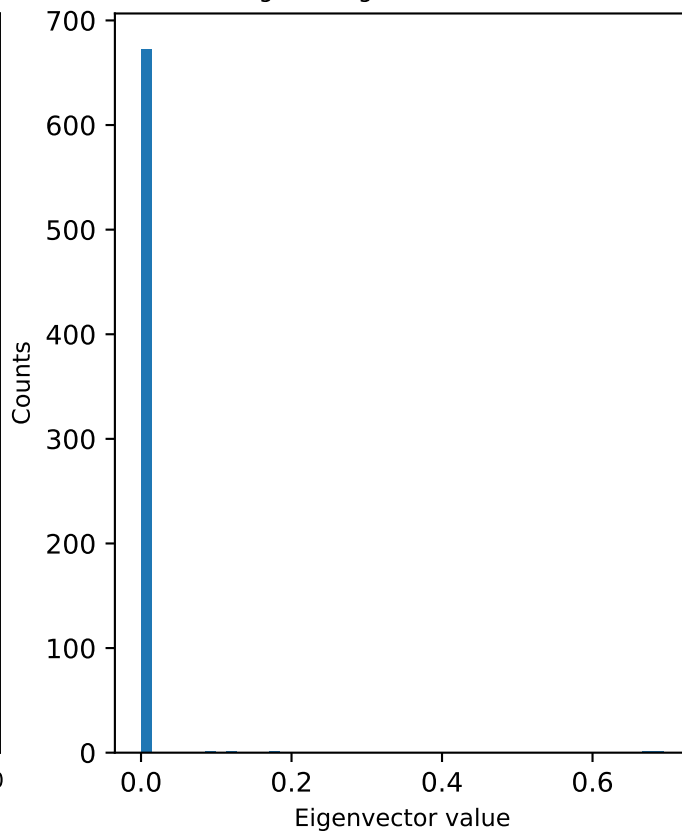
Width-Weighted Betweenness:  $\sigma=0.039$



Length-Weighted Closeness:  $\sigma=0.0$

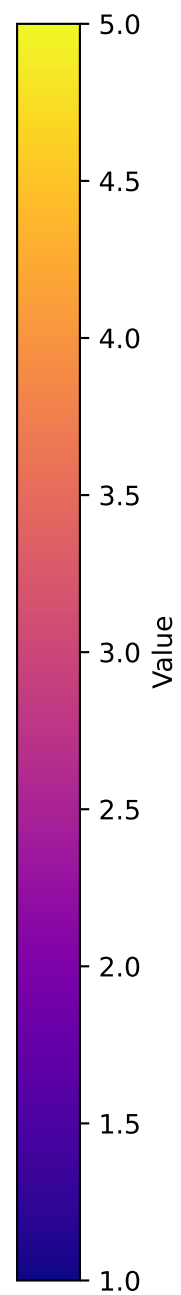
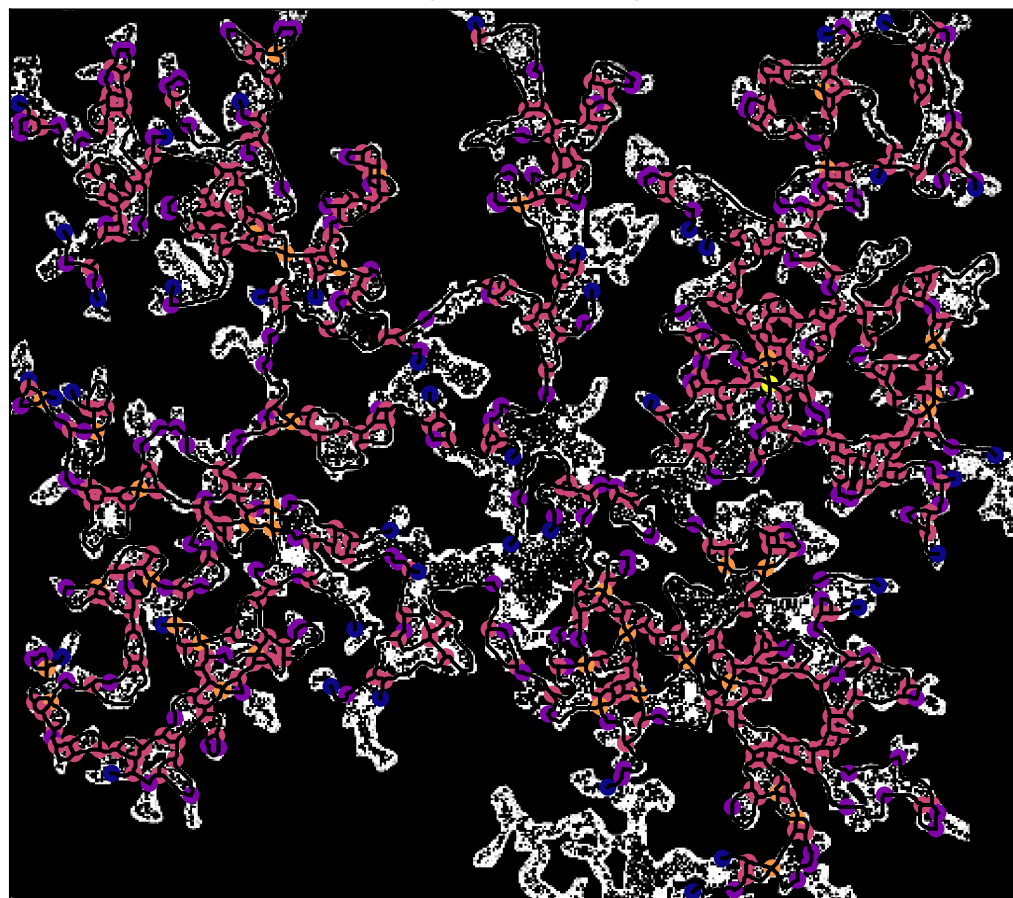


Width-Weighted Eigenvector Cent.:  $\sigma=0.038$

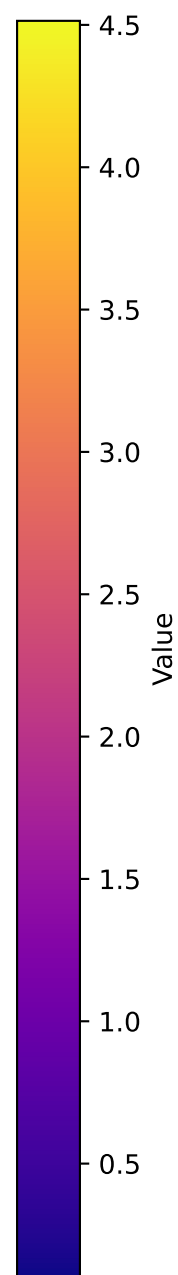
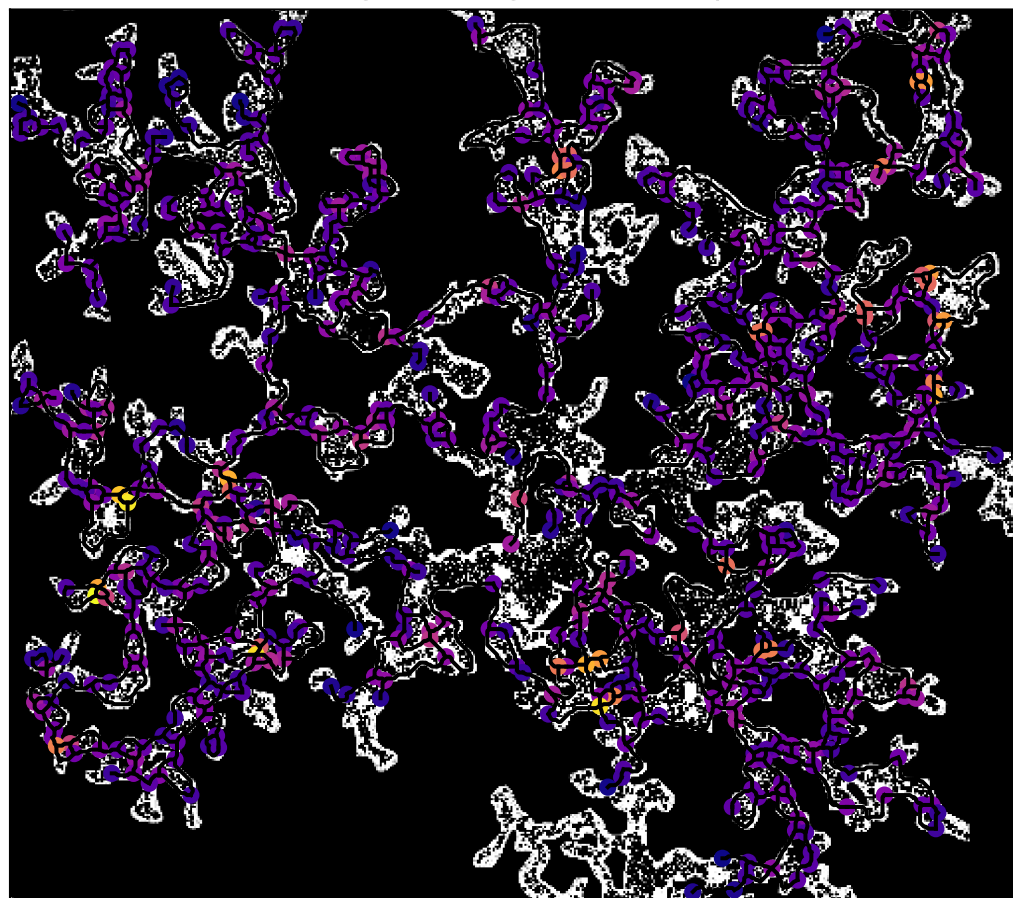




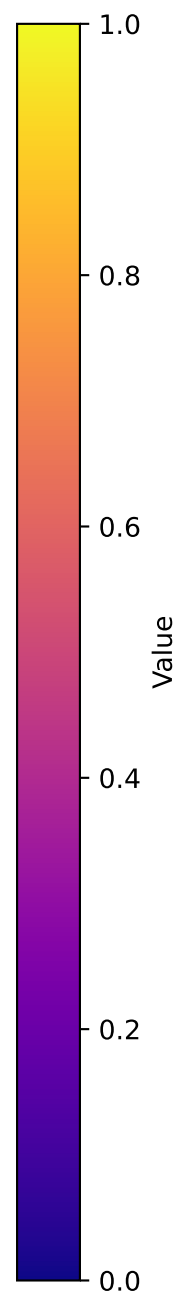
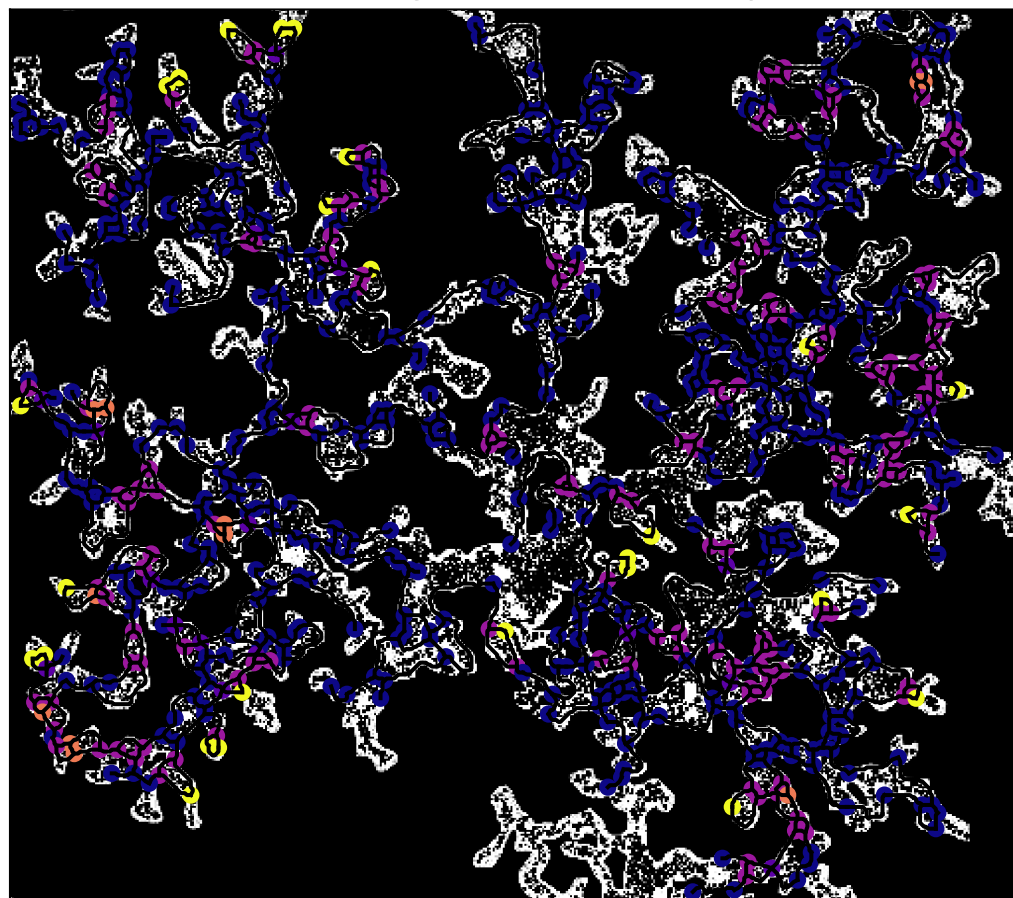
Degree Heatmap



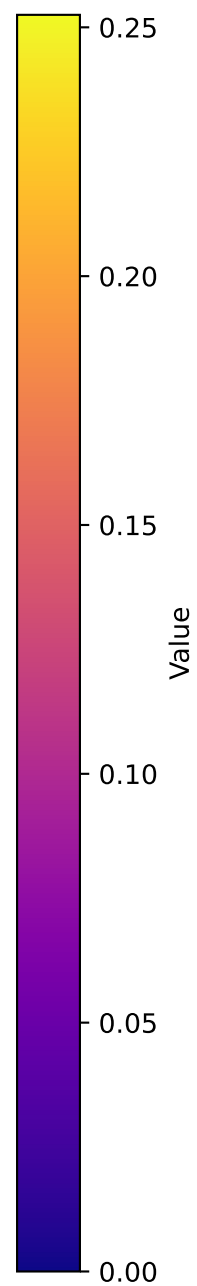
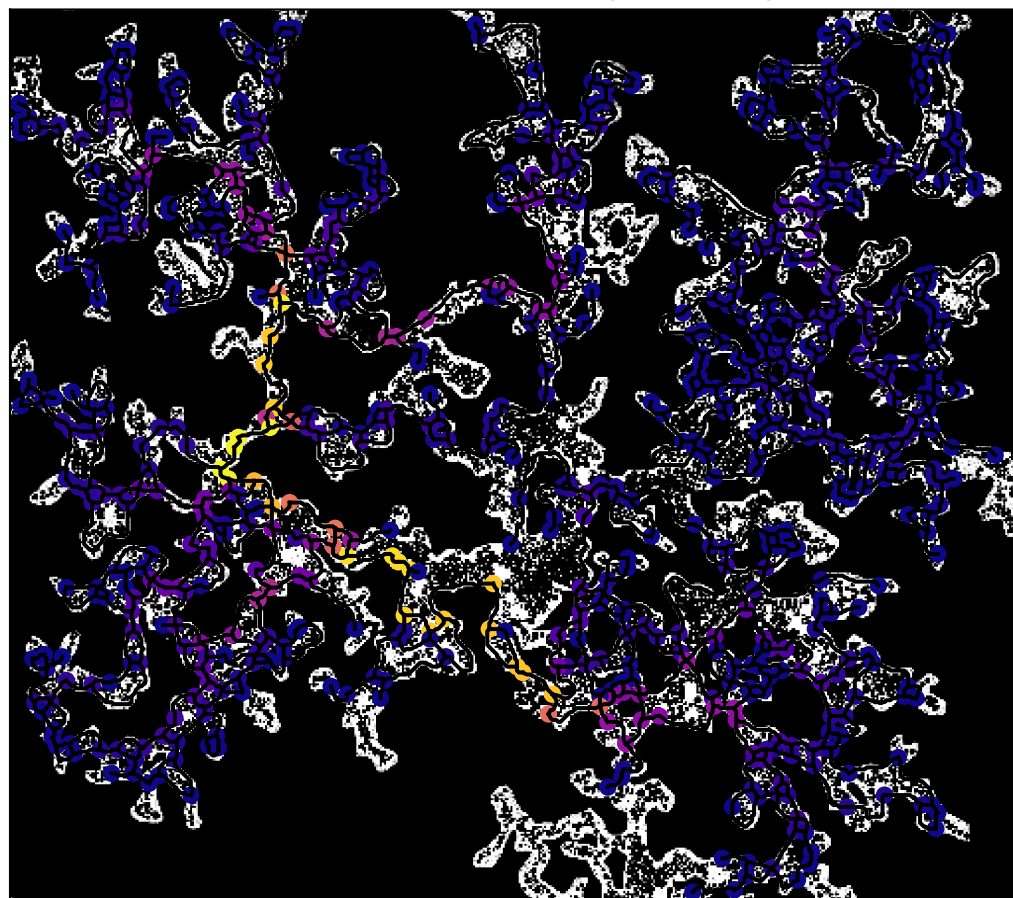
Weighted Degree Heatmap



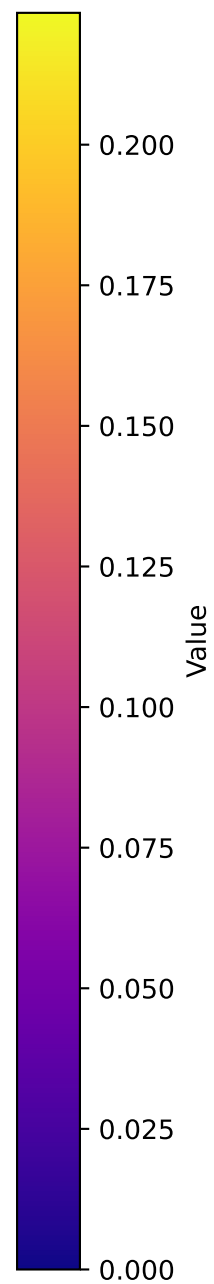
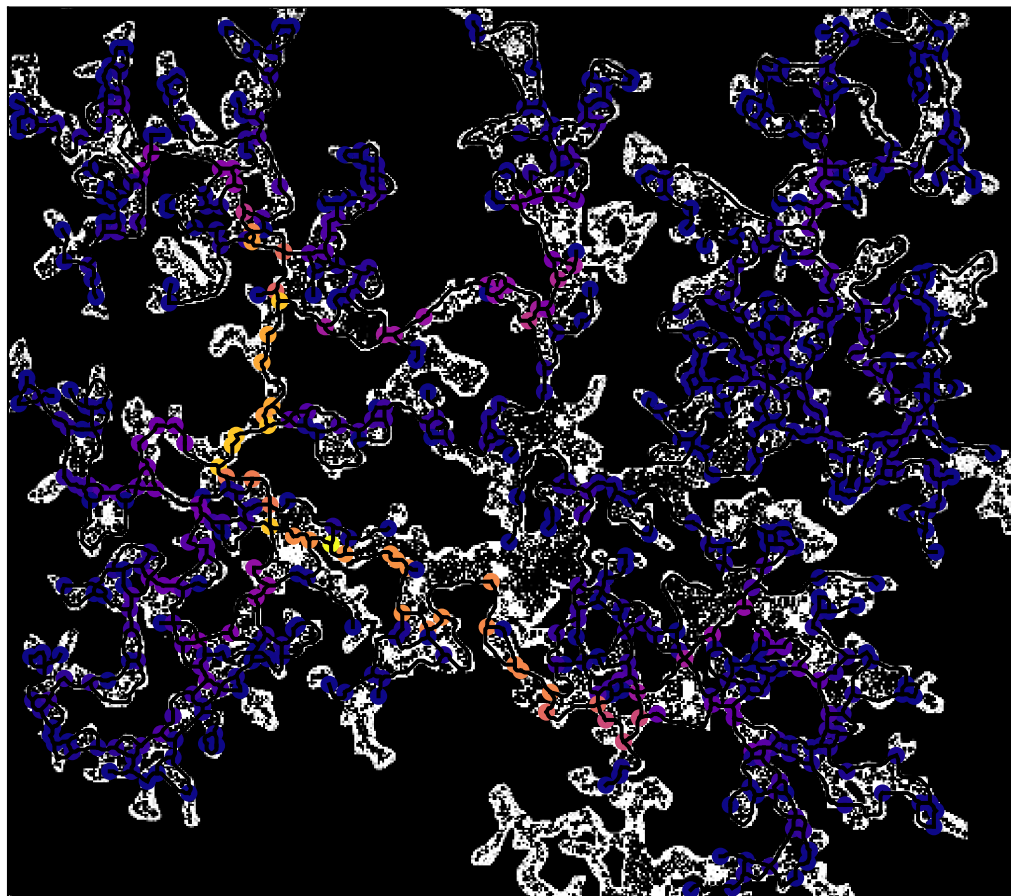
Clustering Coefficient Heatmap



Betweenness Centrality Heatmap

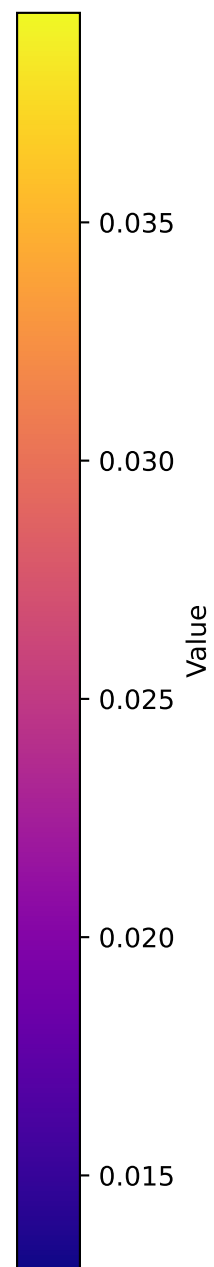
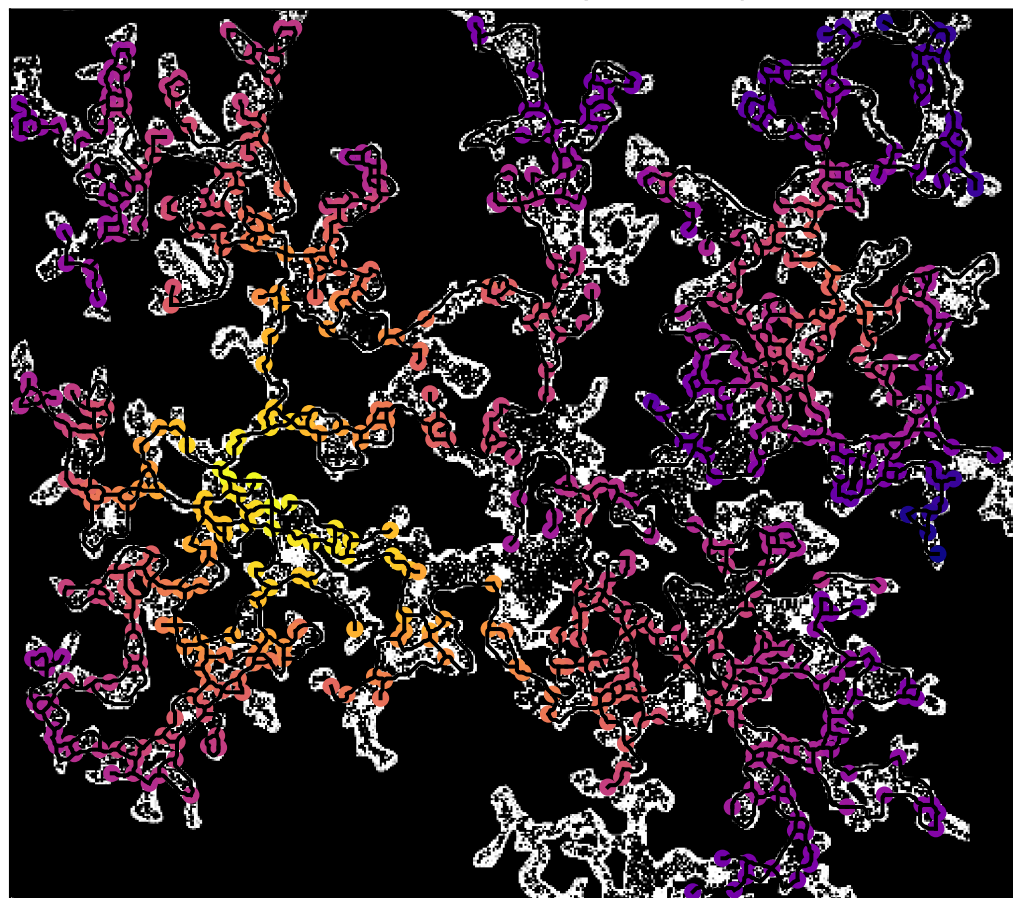


Width-Weighted Betweenness Centrality Heatmap

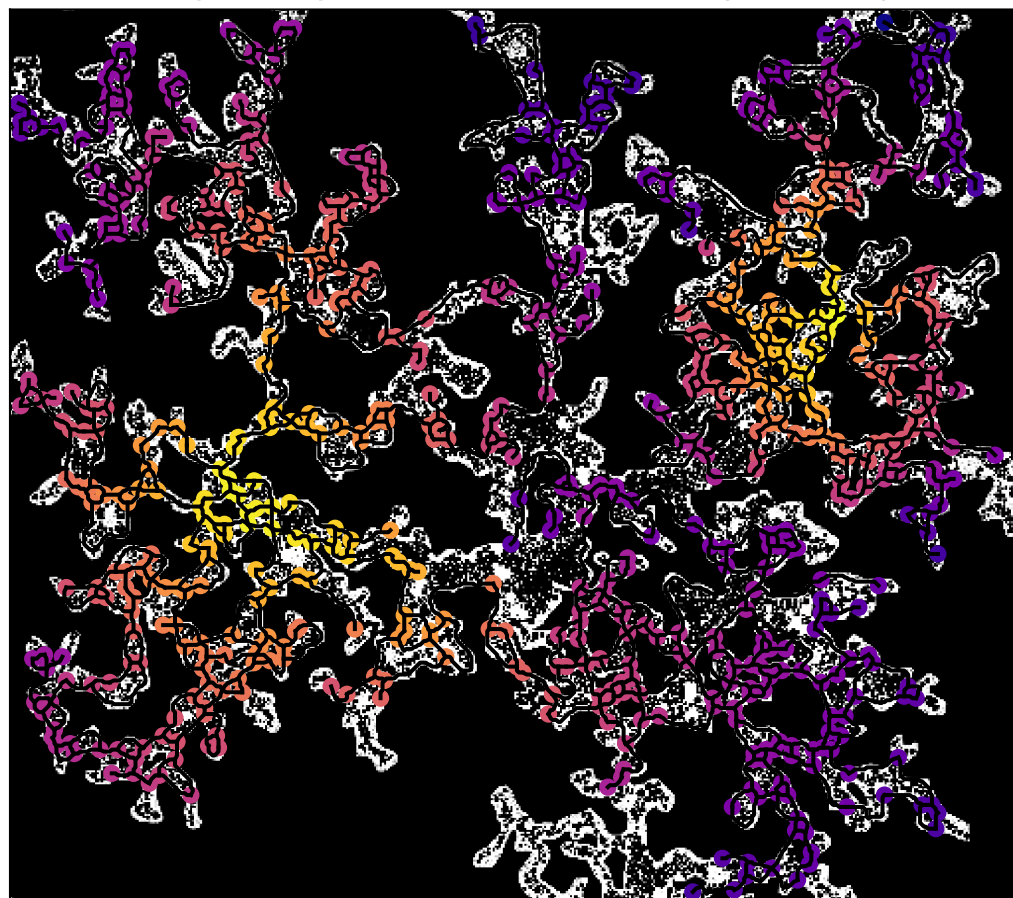




Closeness Centrality Heatmap



Length-Weighted Closeness Centrality Heatmap



0.0024

0.0022

0.0020

0.0018 Value

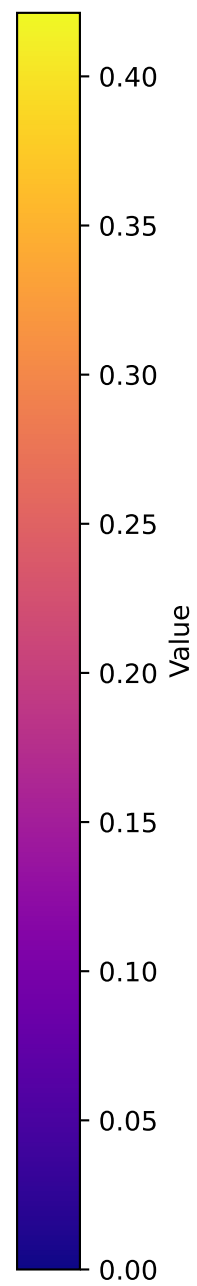
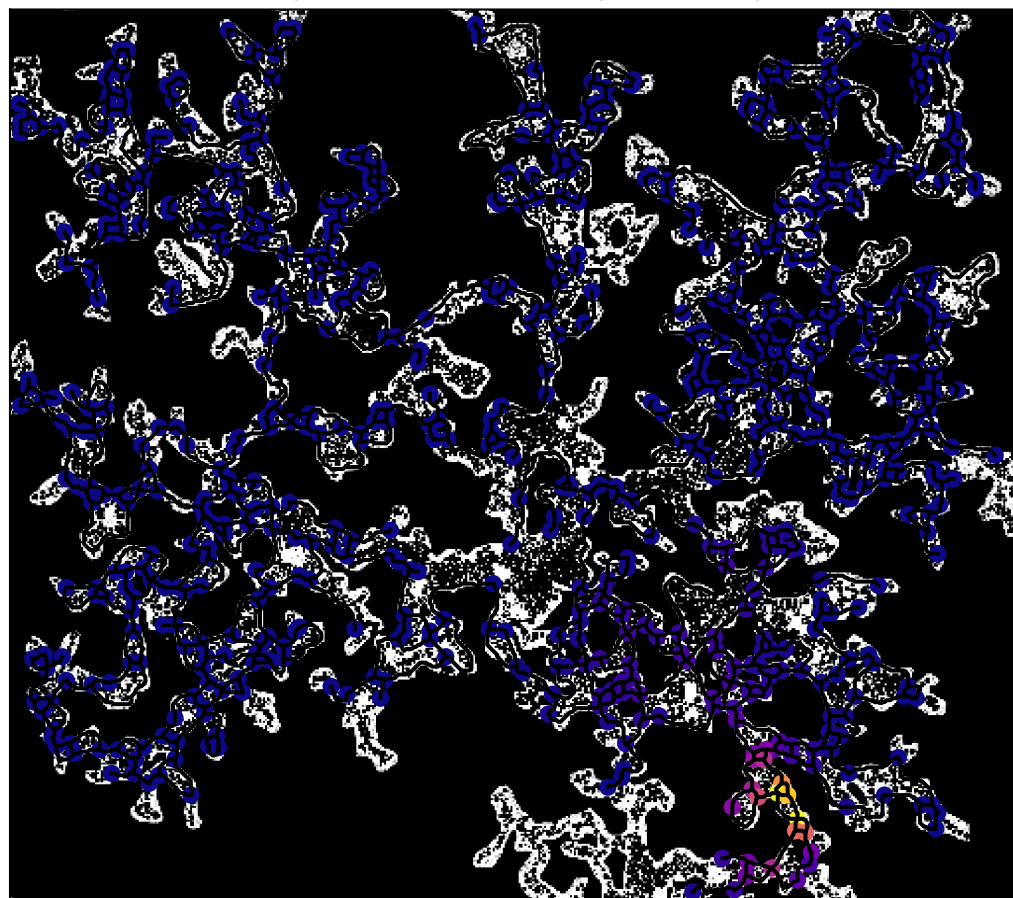
0.0016

0.0014

0.0012

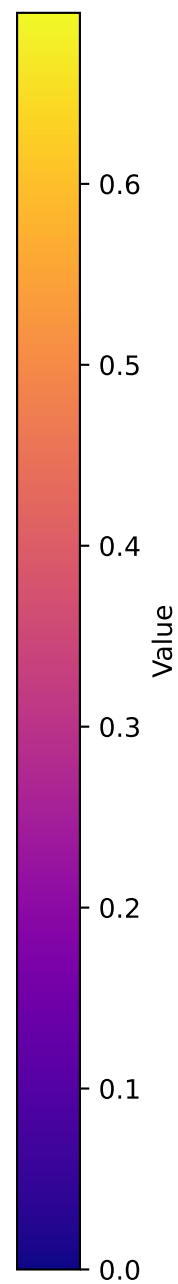
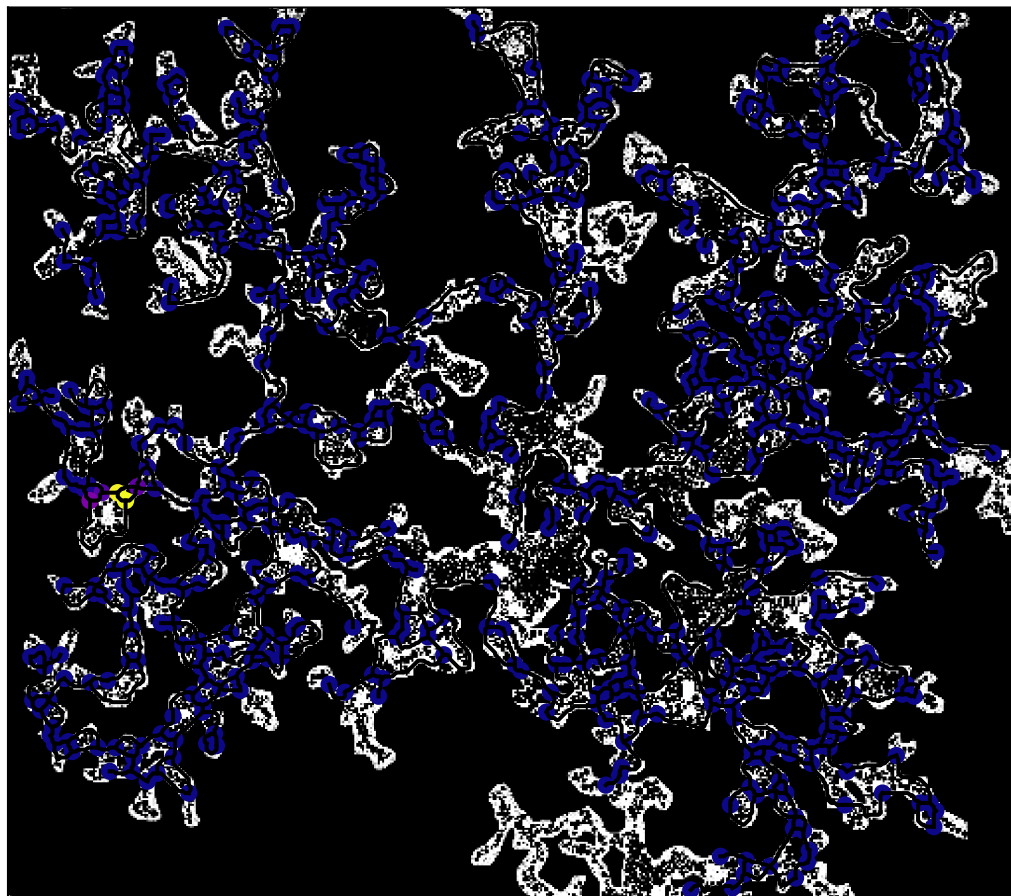
0.0010

Eigenvector Centrality Heatmap





Width-Weighted Eigenvector Centrality Heatmap



#### Run Info

../examples/Cont-SR\_NPs.tif || 2024-01-31 17:59:24

|| 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