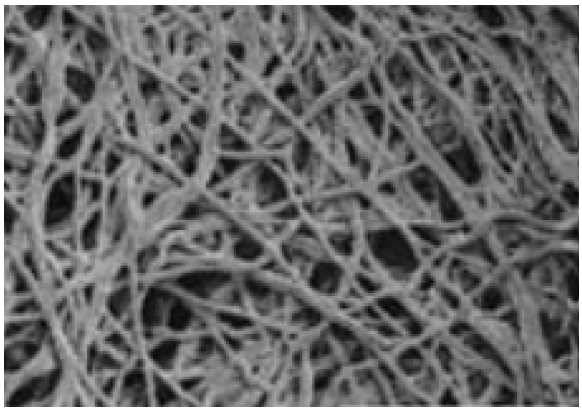
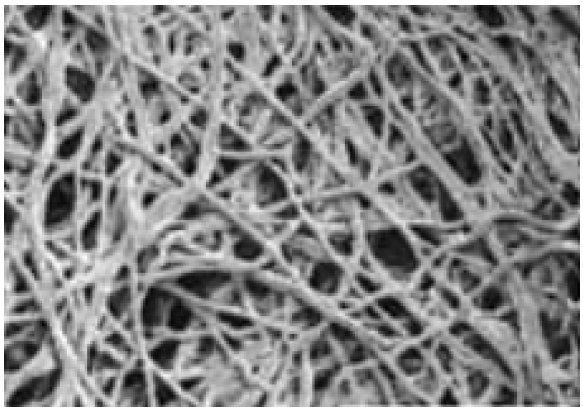
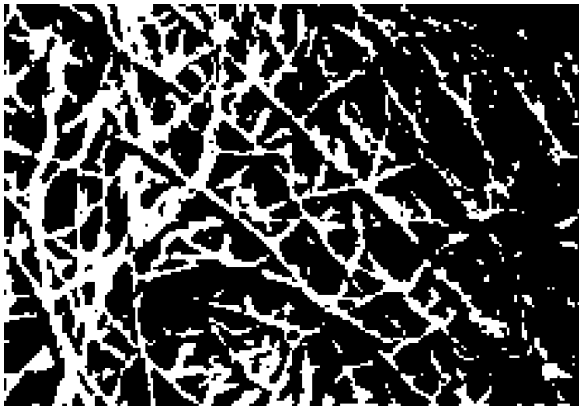
Original Image



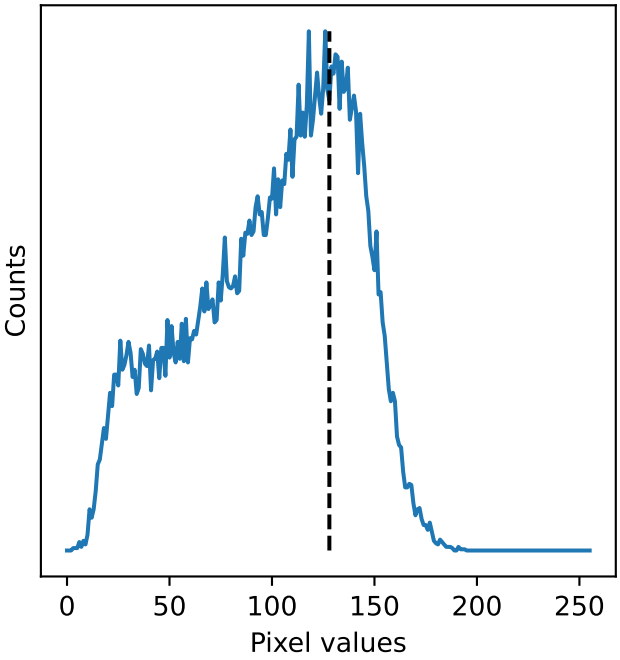
Processed Image



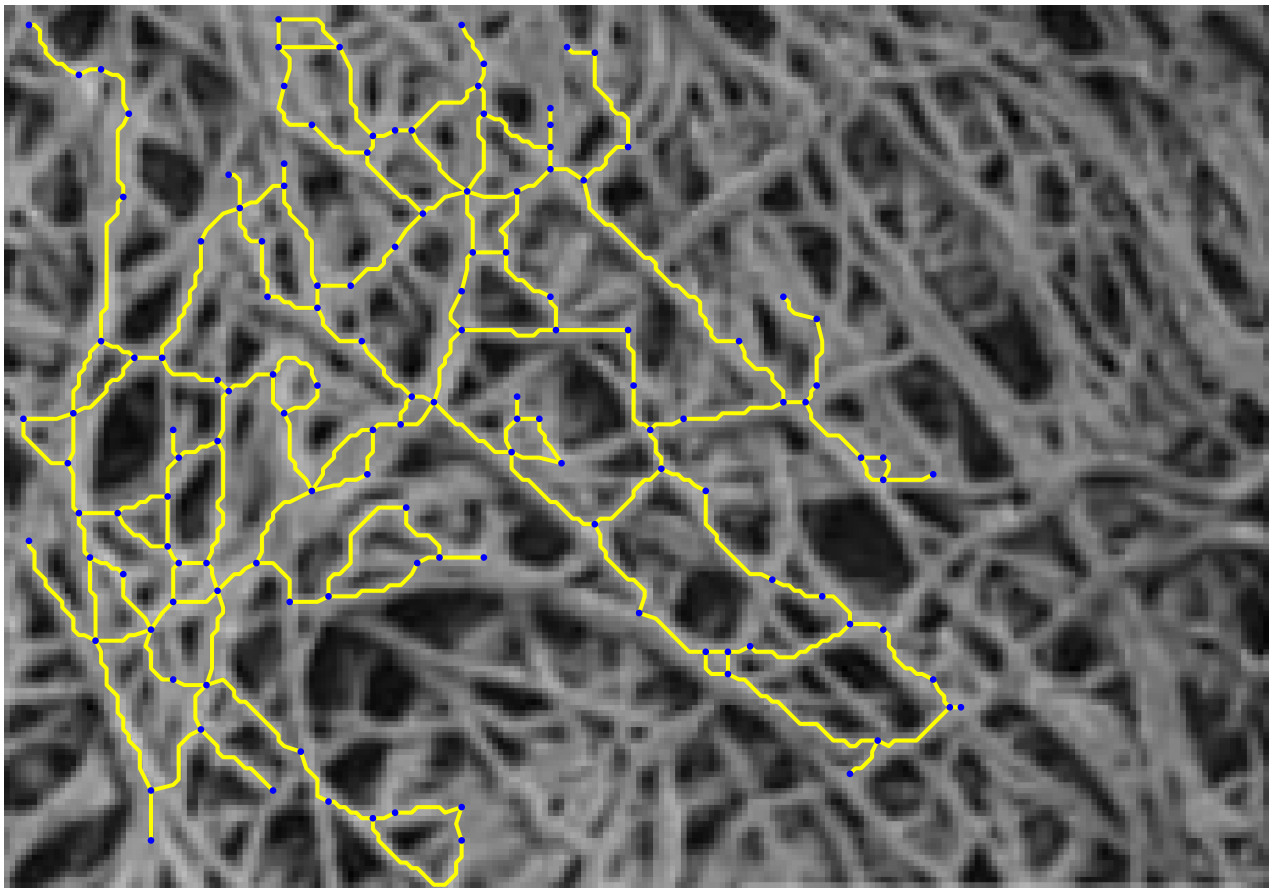
Binary Image



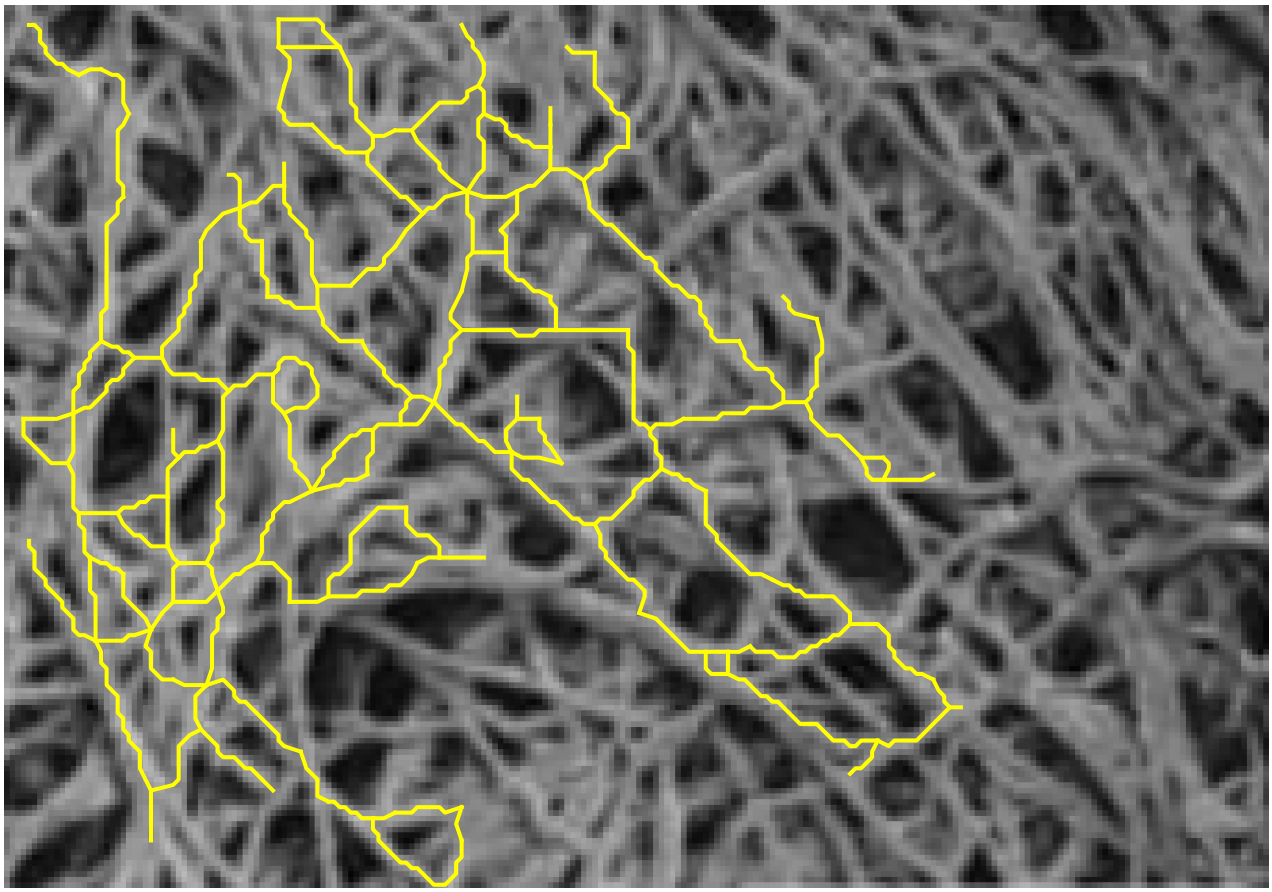
Histogram of Processed Image



Graph Node Plot

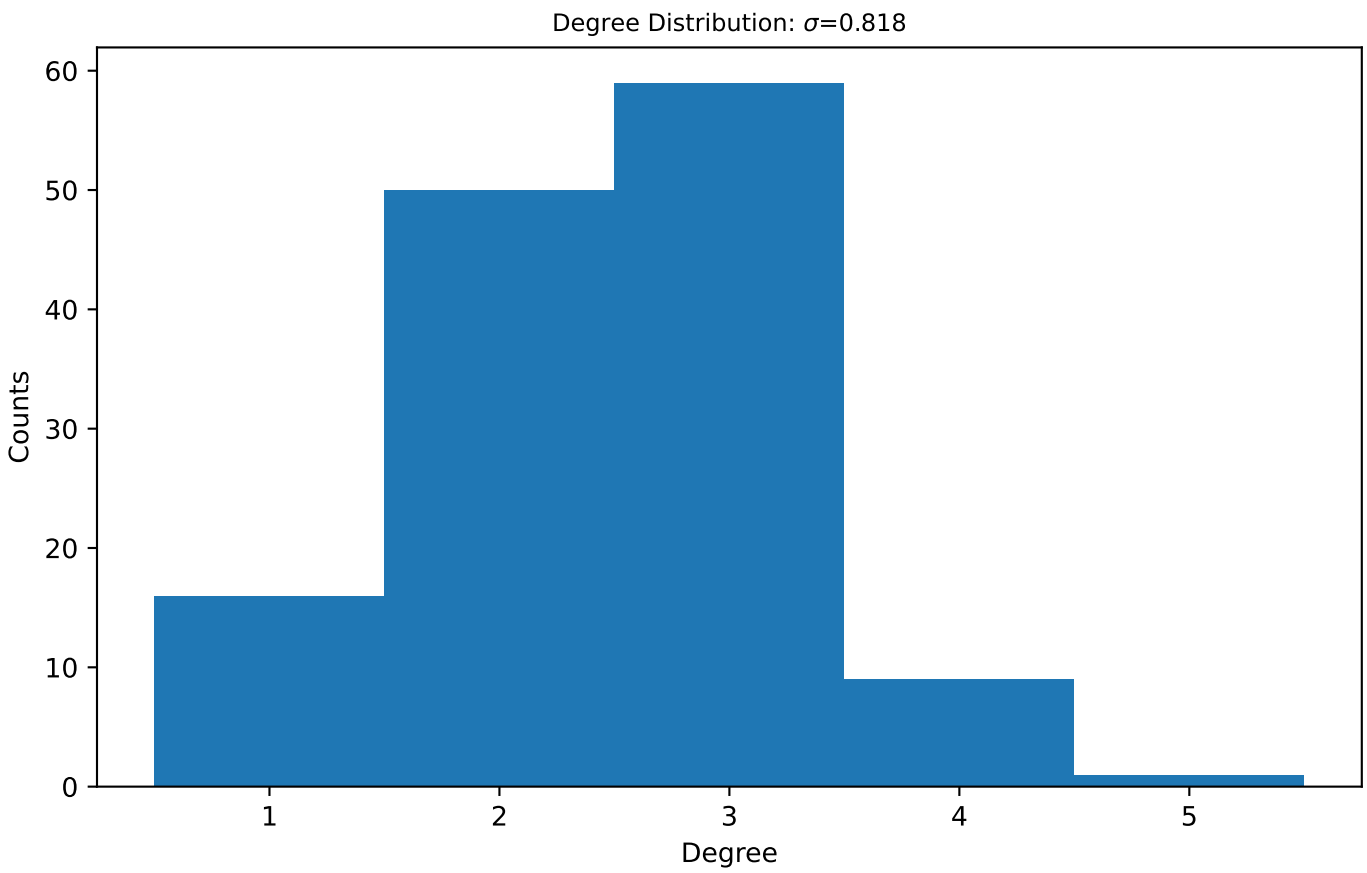


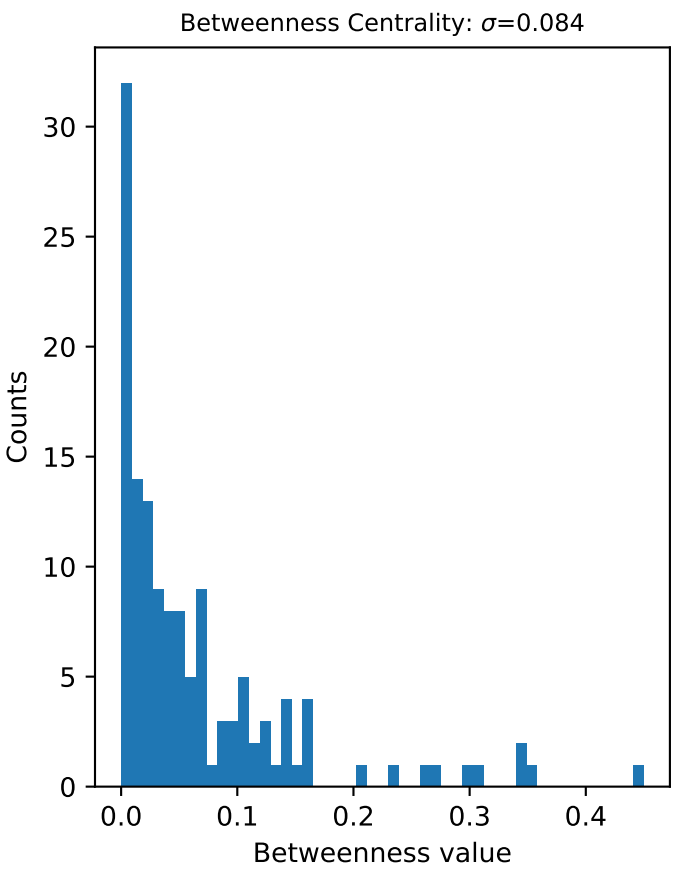
Graph Edge Plot

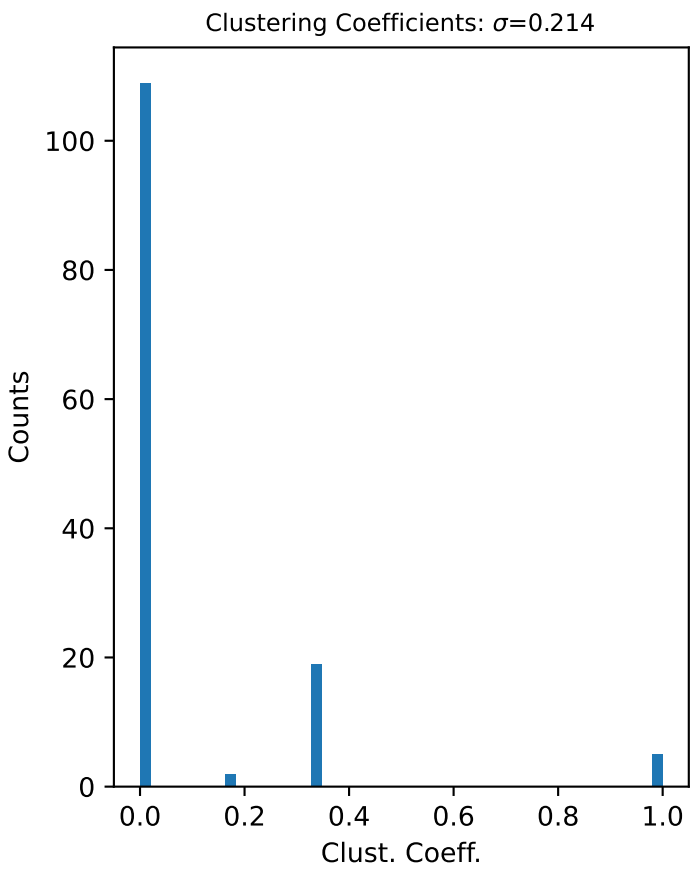


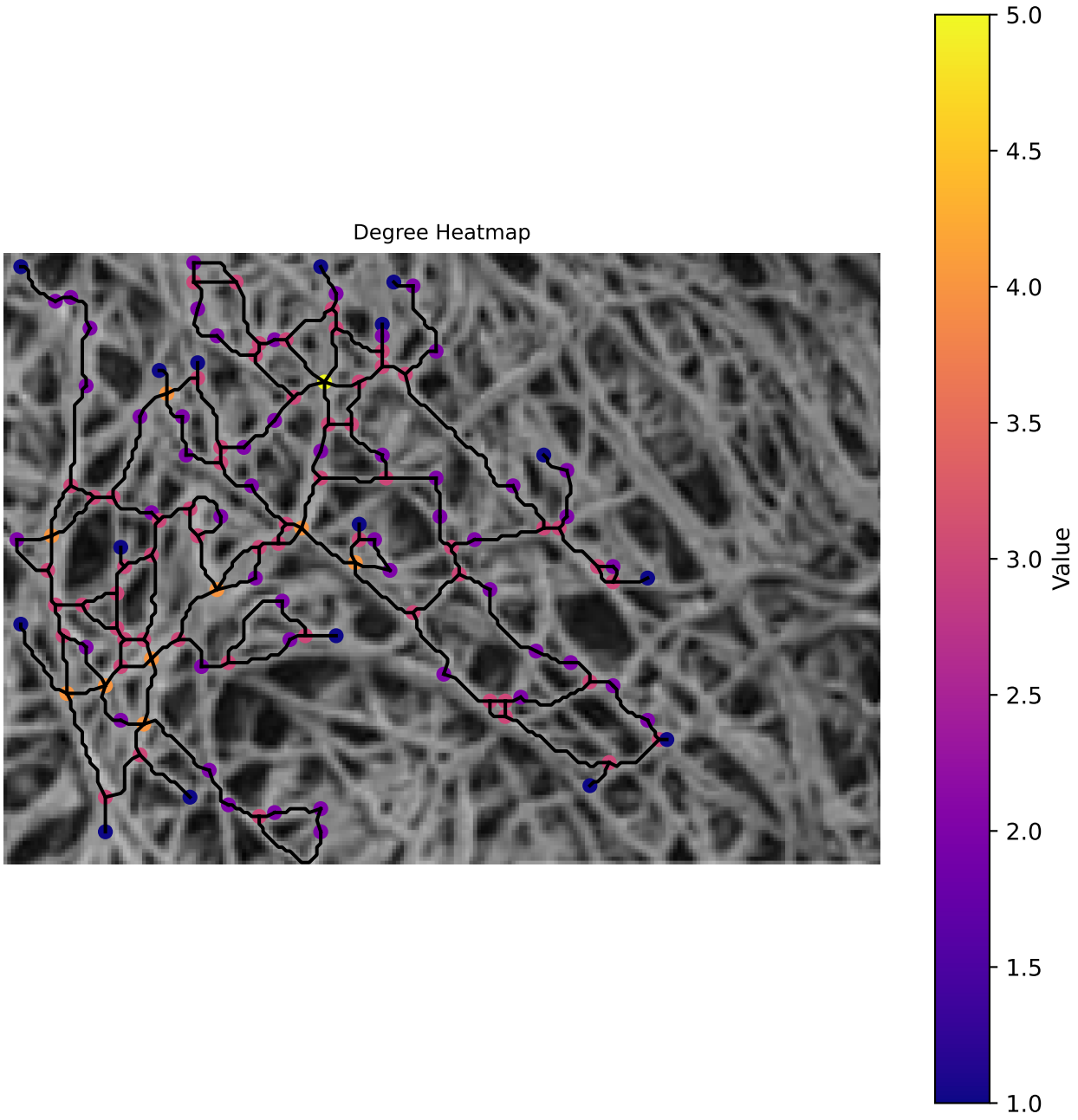
Unweighted GT parameters

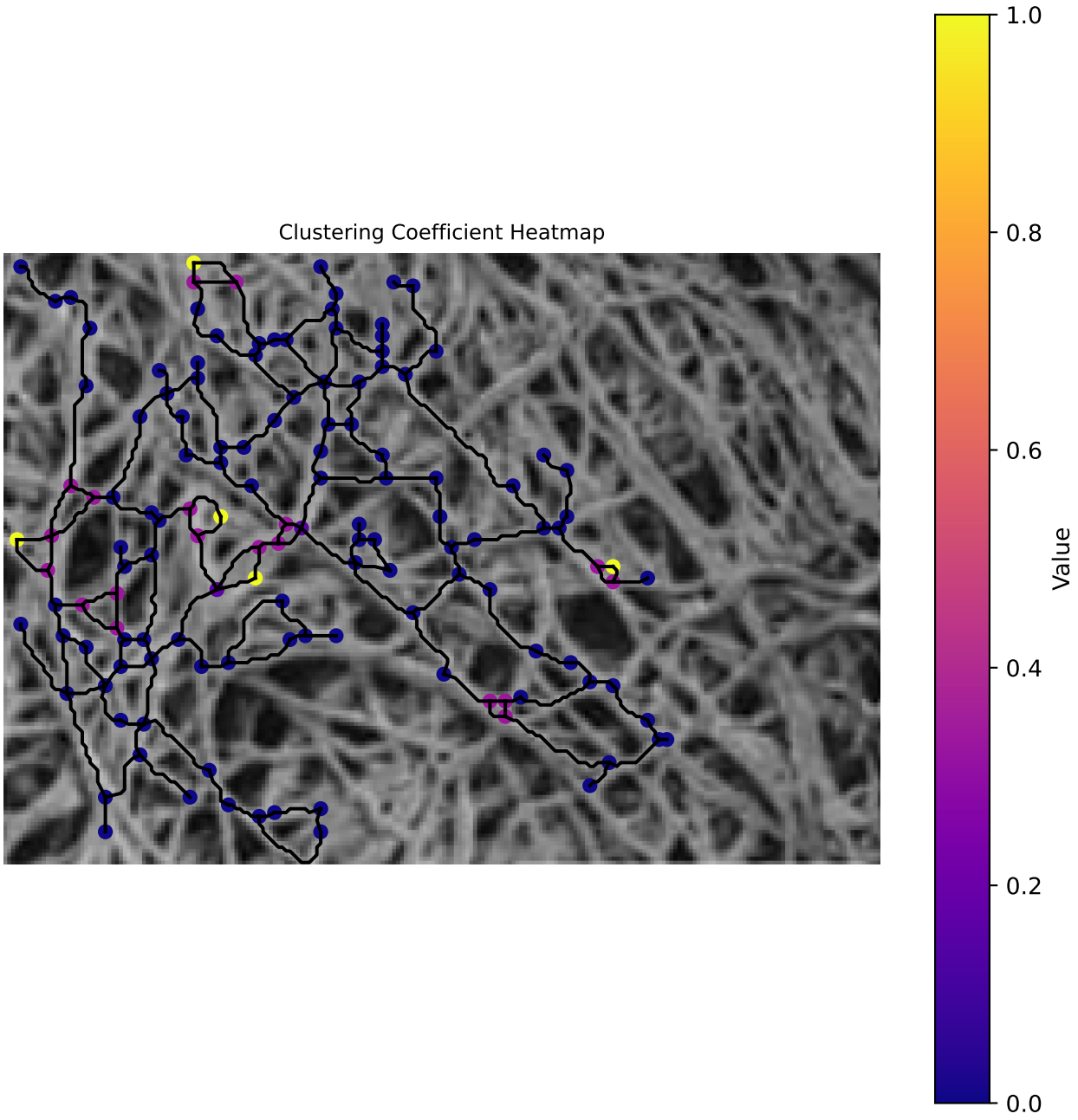
Number of nodes	135.0
Number of edges	167.0
Average edge angle (degrees)	142.214
Median edge angle (degrees)	75.964
Average degree	2.47407
Network diameter	24.0
Average node connectivity	1.46812
Graph density	0.01846
Assortativity coefficient	0.04982
Average clustering coefficient	0.08642
Average betweenness centrality	0.06536

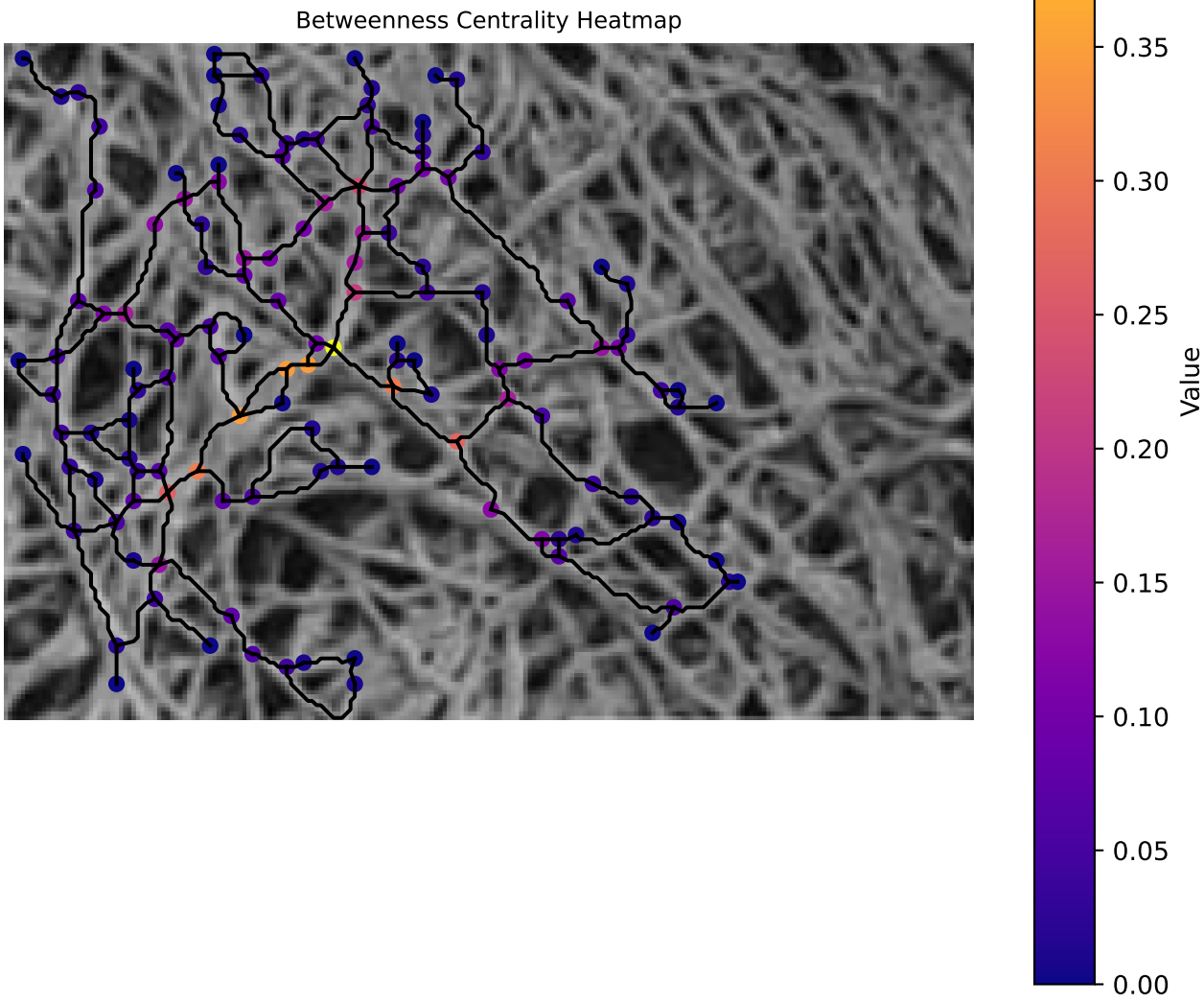

Degree Distribution: σ=0.818
Counts
Degree
0
10
20
30
40
50
60
1
2
3
4
5


Betweenness Centrality: σ=0.084
Counts
Betweenness value
0
5
10
15
20
25
30
0.0
0.1
0.2
0.3
0.4


Clustering Coefficients: σ=0.214
Counts
Clust. Coeff.
0
20
40
60
80
100
0.0
0.2
0.4
0.6
0.8
1.0


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


Clustering Coefficient Heatmap
1.0
0.8
0.6
0.4
0.2
0.0
Value


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

Run Info

InVitroBioFilm.png
2025-05-28 13:12:17

Image Filter Configurations
Global Threshold (128.0) || Gamma = 1.0

Microscopy Parameters
Scalebar Value = 0.0 nm || Scalebar Pixel Count = 1
Resistivity = 1.0Ωm

Image Scale
Size = 159 x 228 px || Scale Factor = 0.25

Graph Extraction Configurations
Merge Nodes || Prune Dangling Edges
Remove Objects of Size = 500 || Remove Self Loops