

Appendix A – Figures

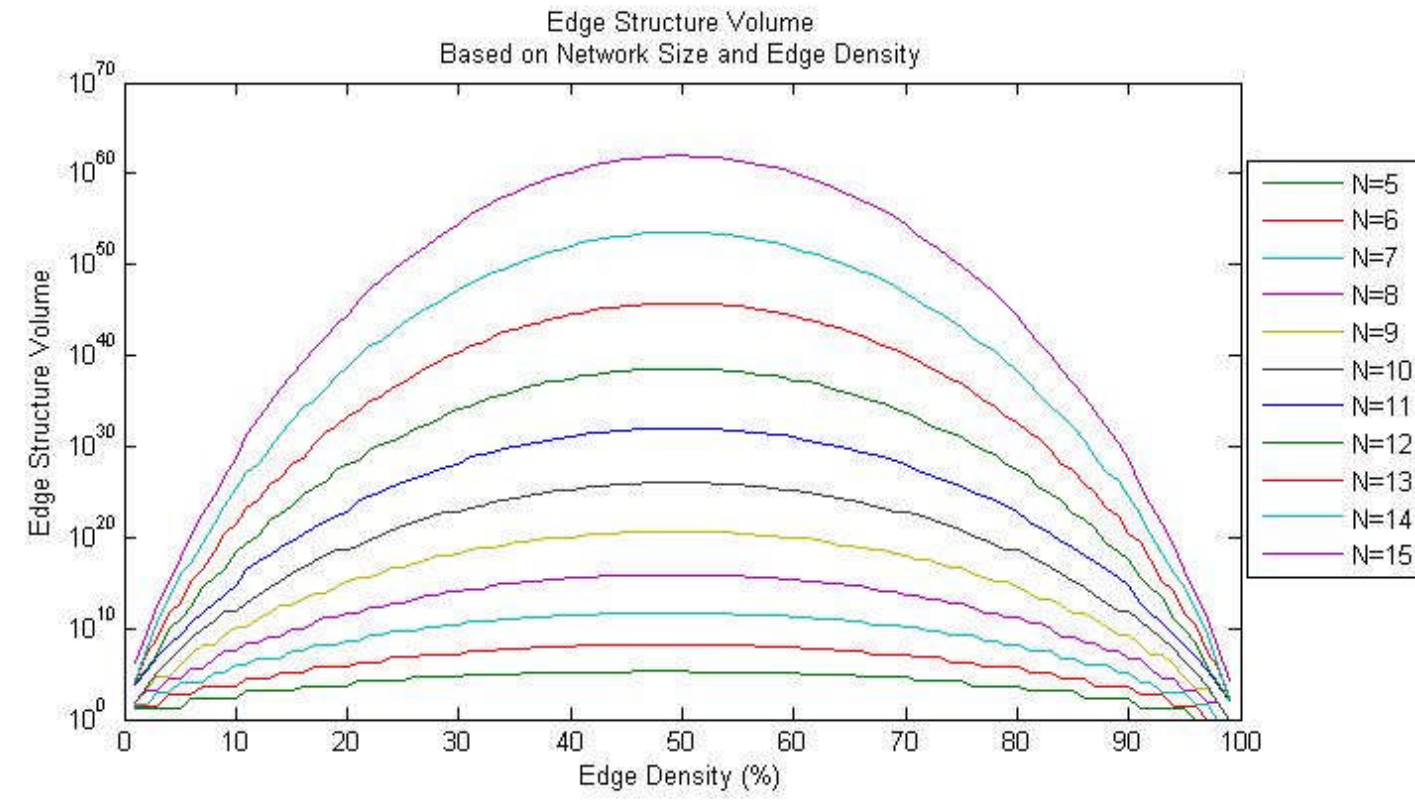


Figure 1-A

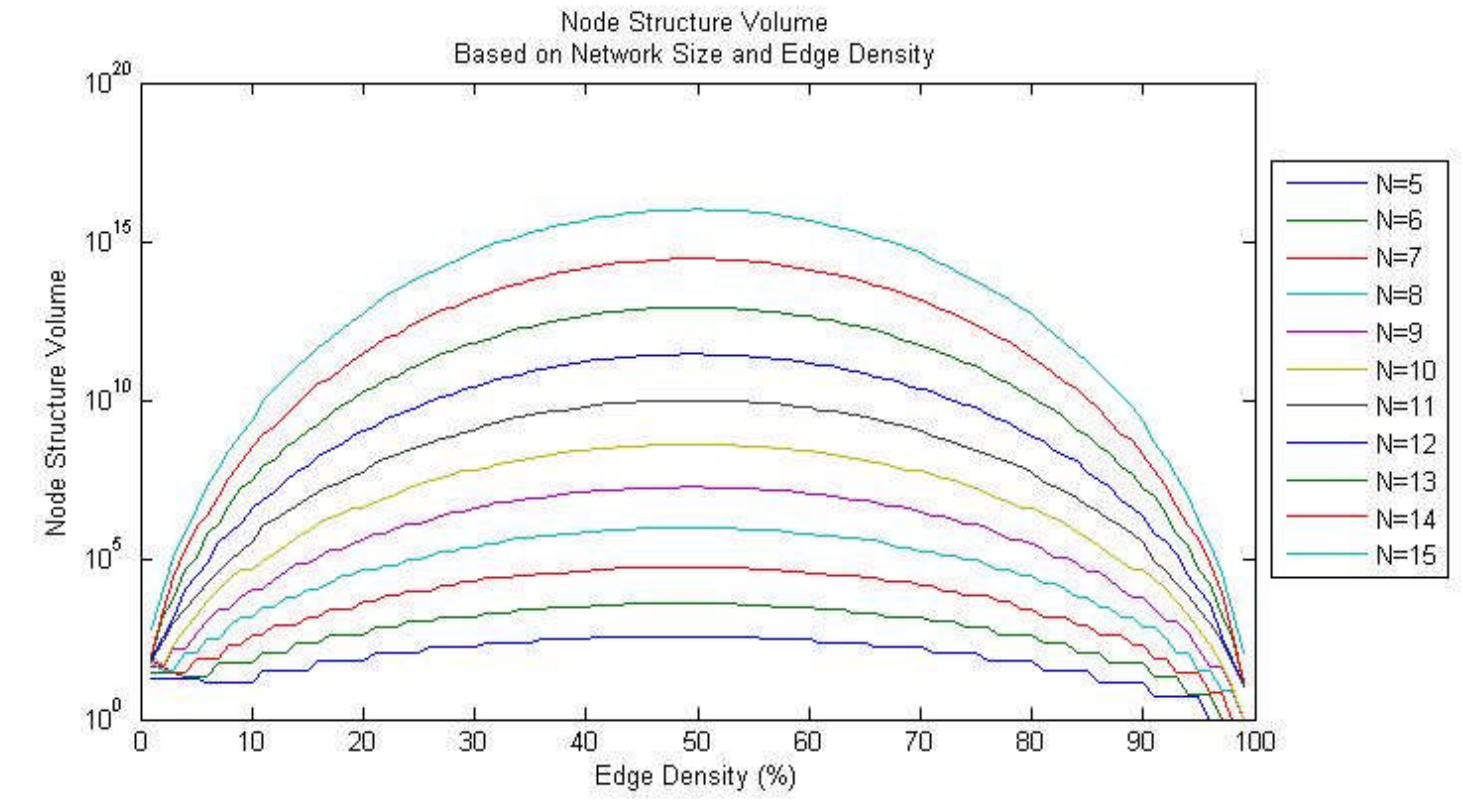


Figure 1-B

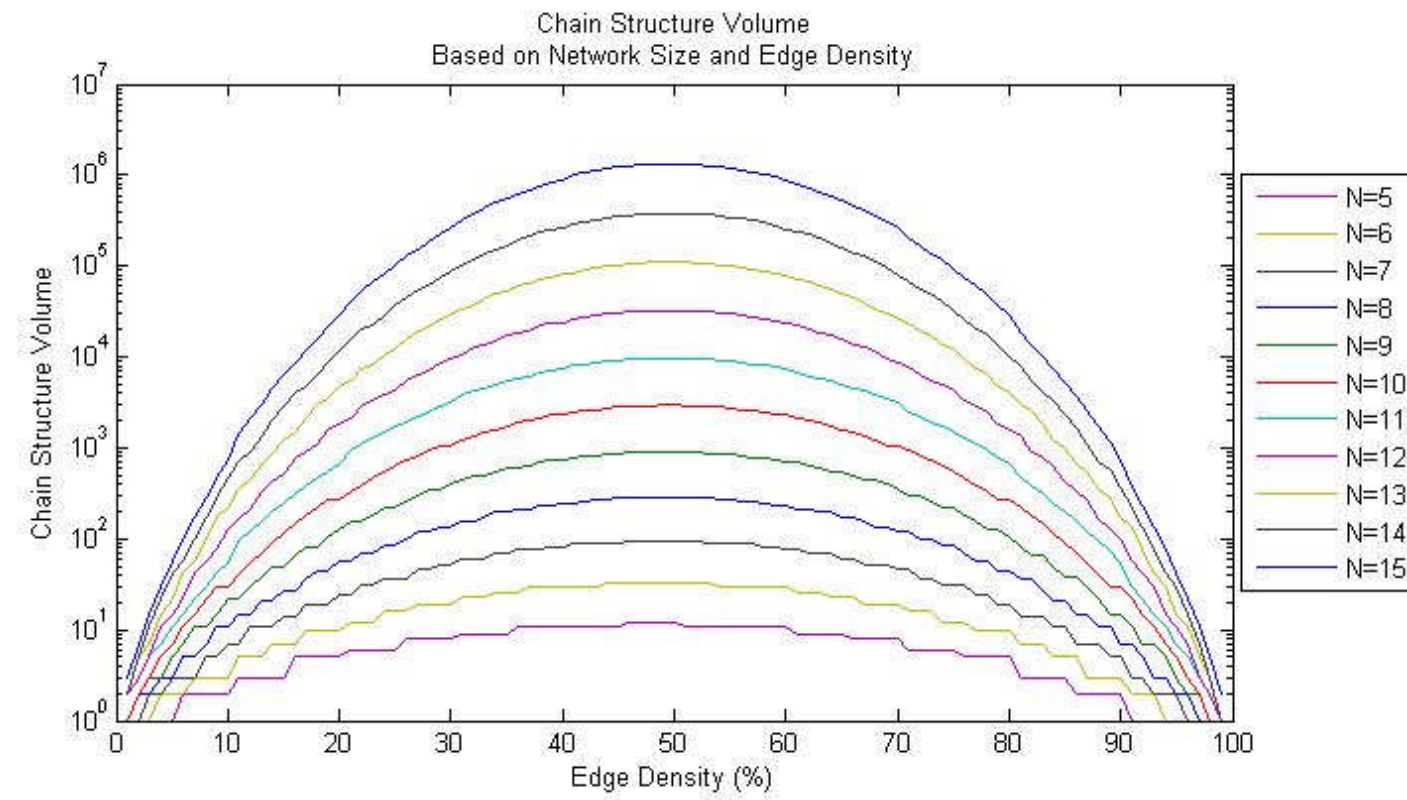


Figure 1-C

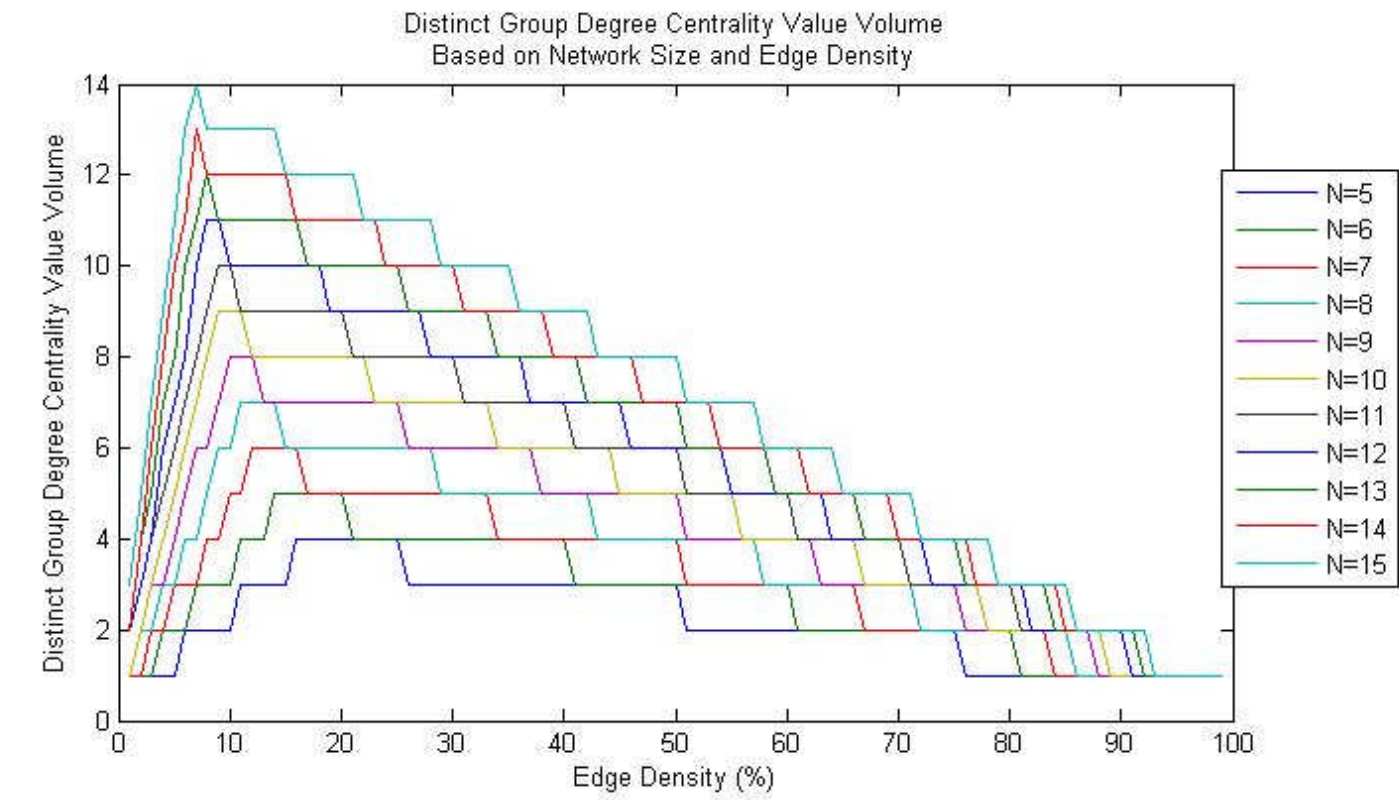


Figure 1-D

Figure 1 A-D – Structure Variation based on Network Size and Edge Density

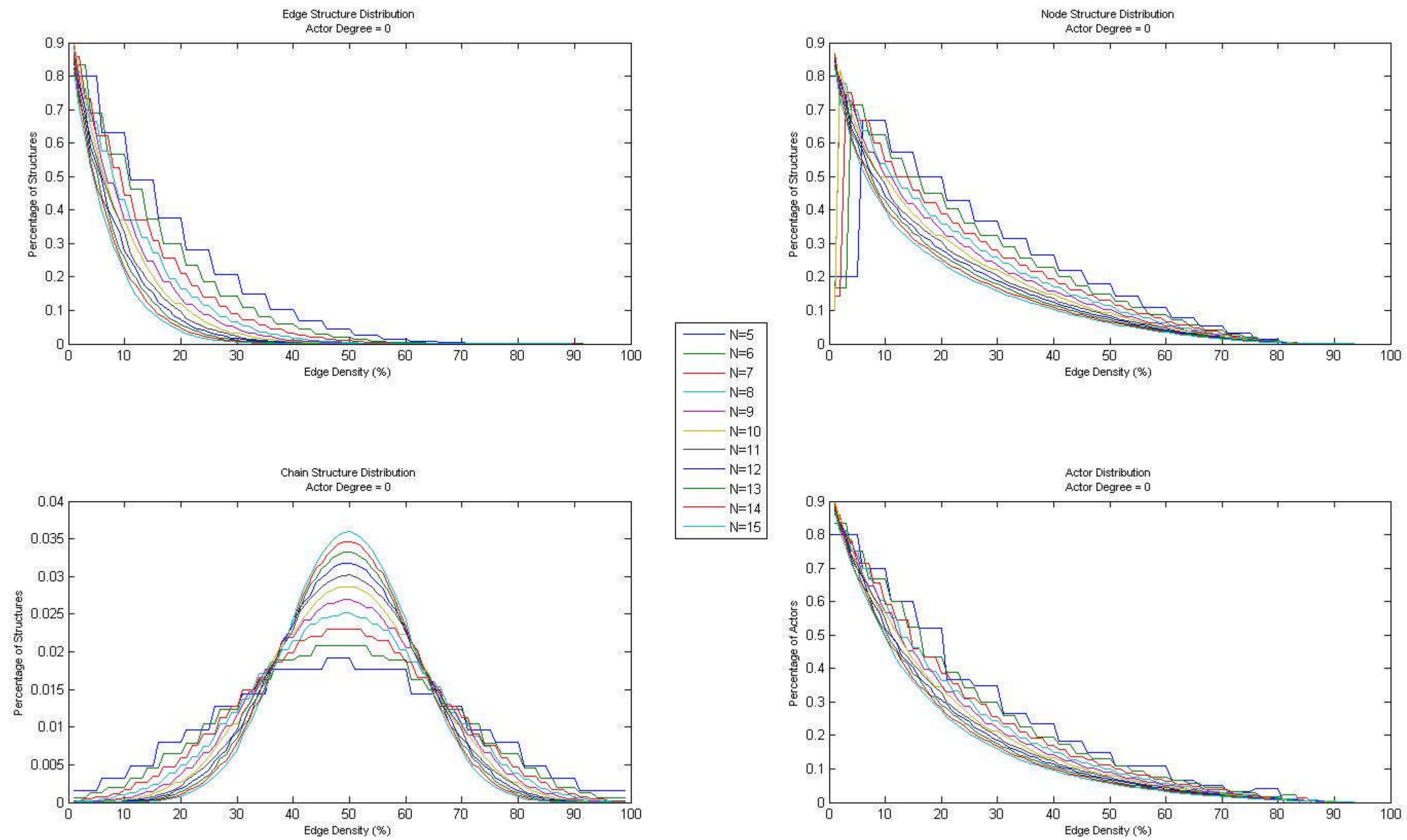


Figure 2 – Actor Degree Centrality Distributions where Actor Degree = 0

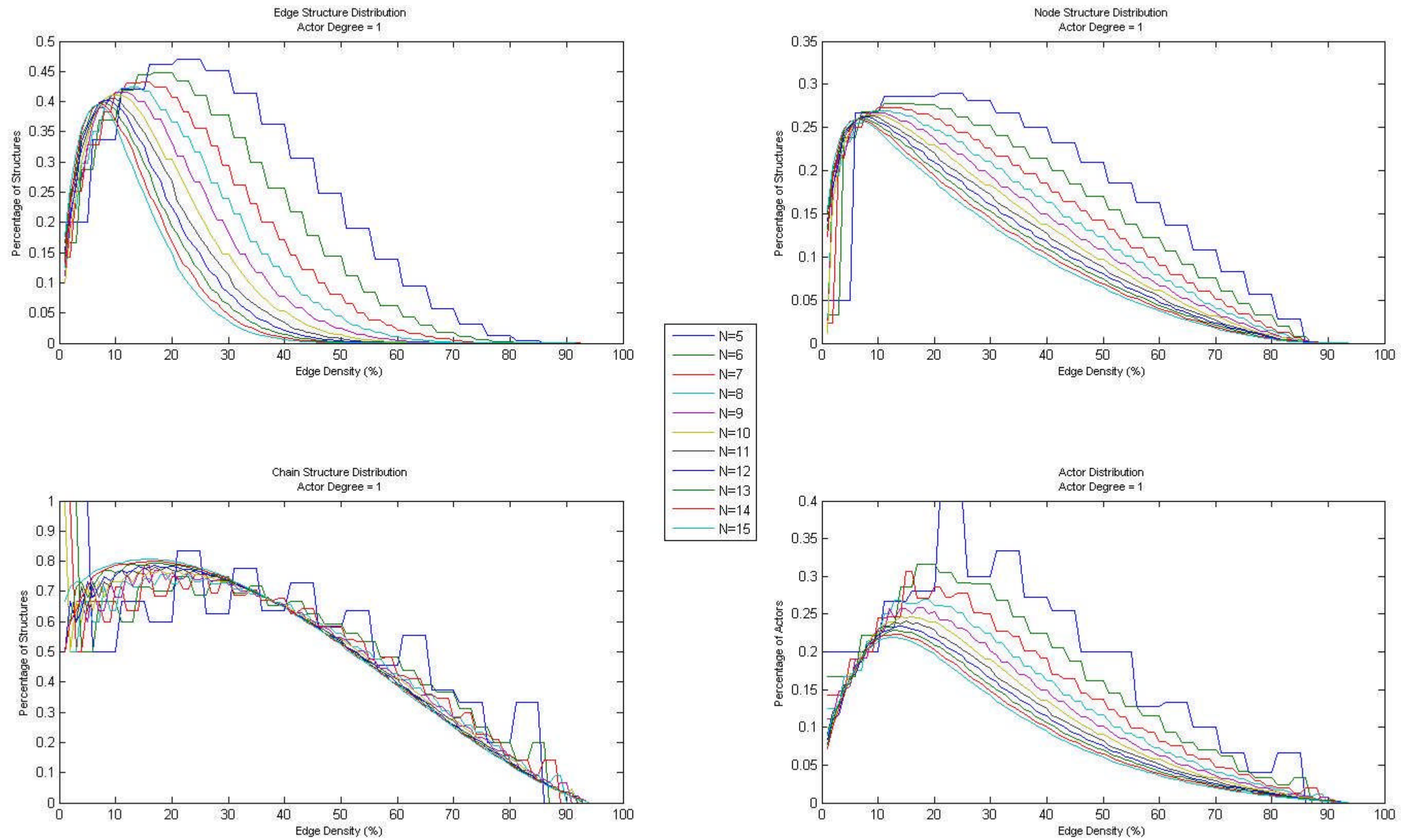


Figure 3 – Actor Degree Centrality Distributions where Actor Degree = 1

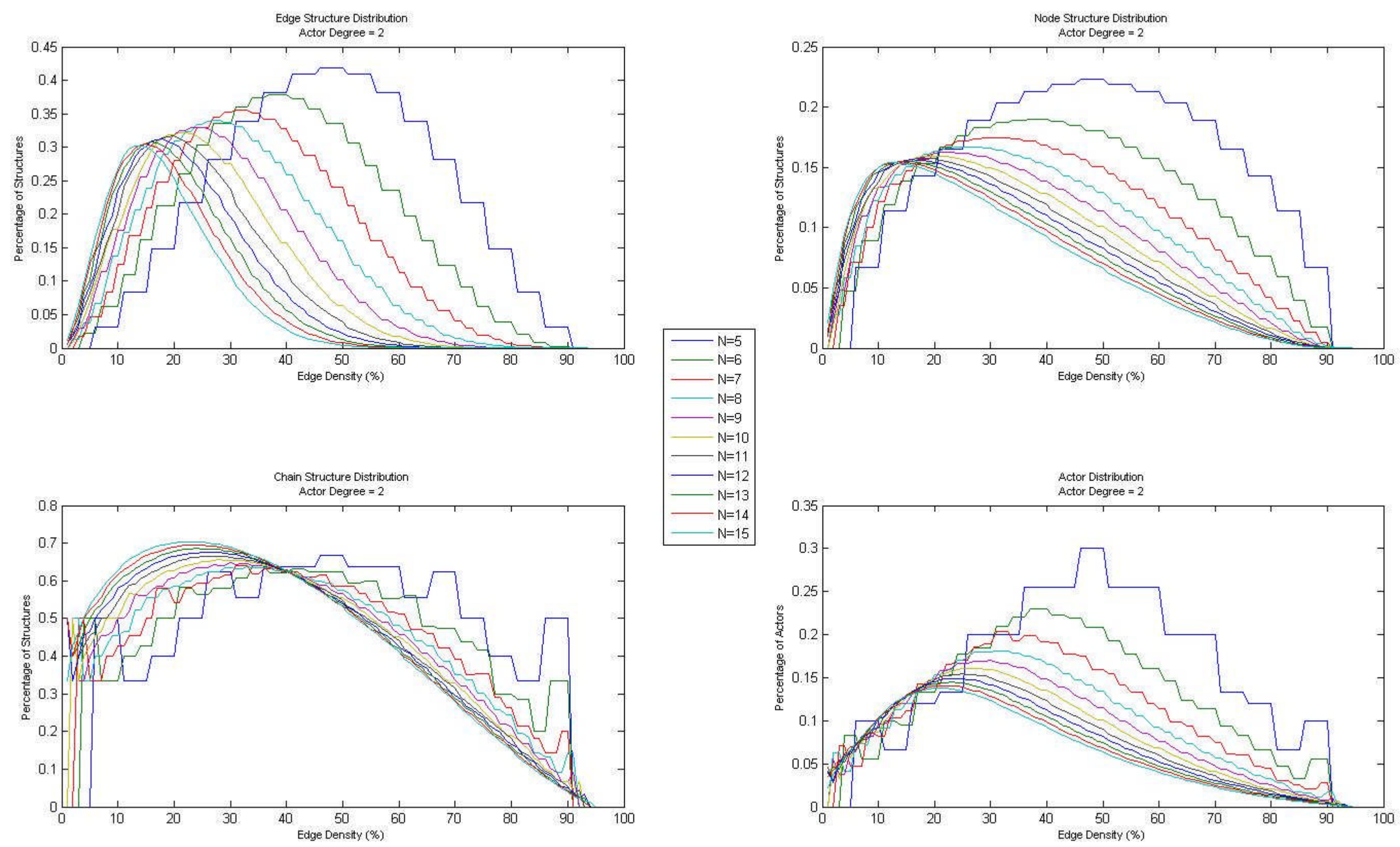


Figure 4 – Actor Degree Centrality Distributions where Actor Degree = 2

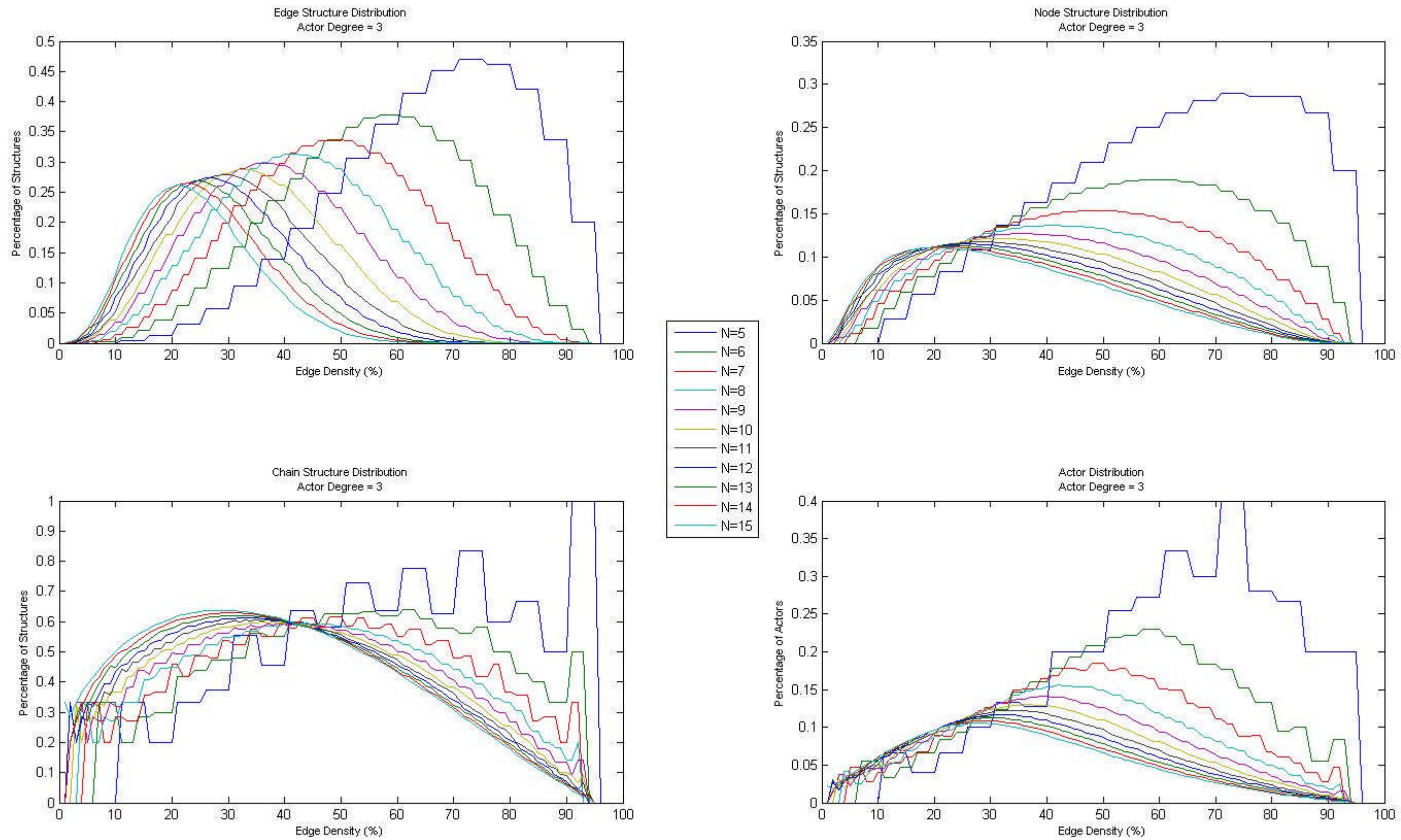


Figure 5 – Actor Degree Centrality Distributions where Actor Degree = 3

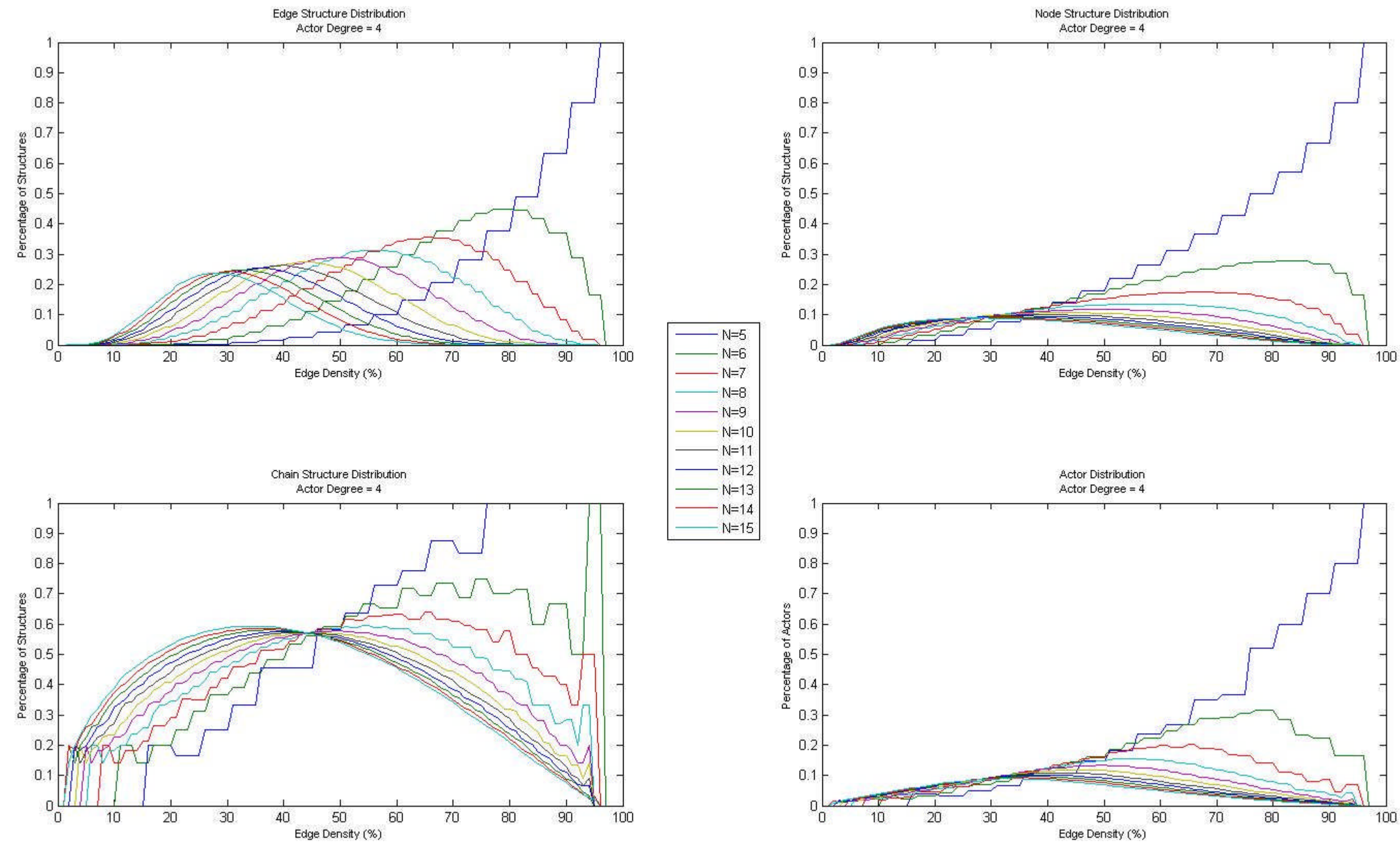


Figure 6 – Actor Degree Centrality Distributions where Actor Degree = 4

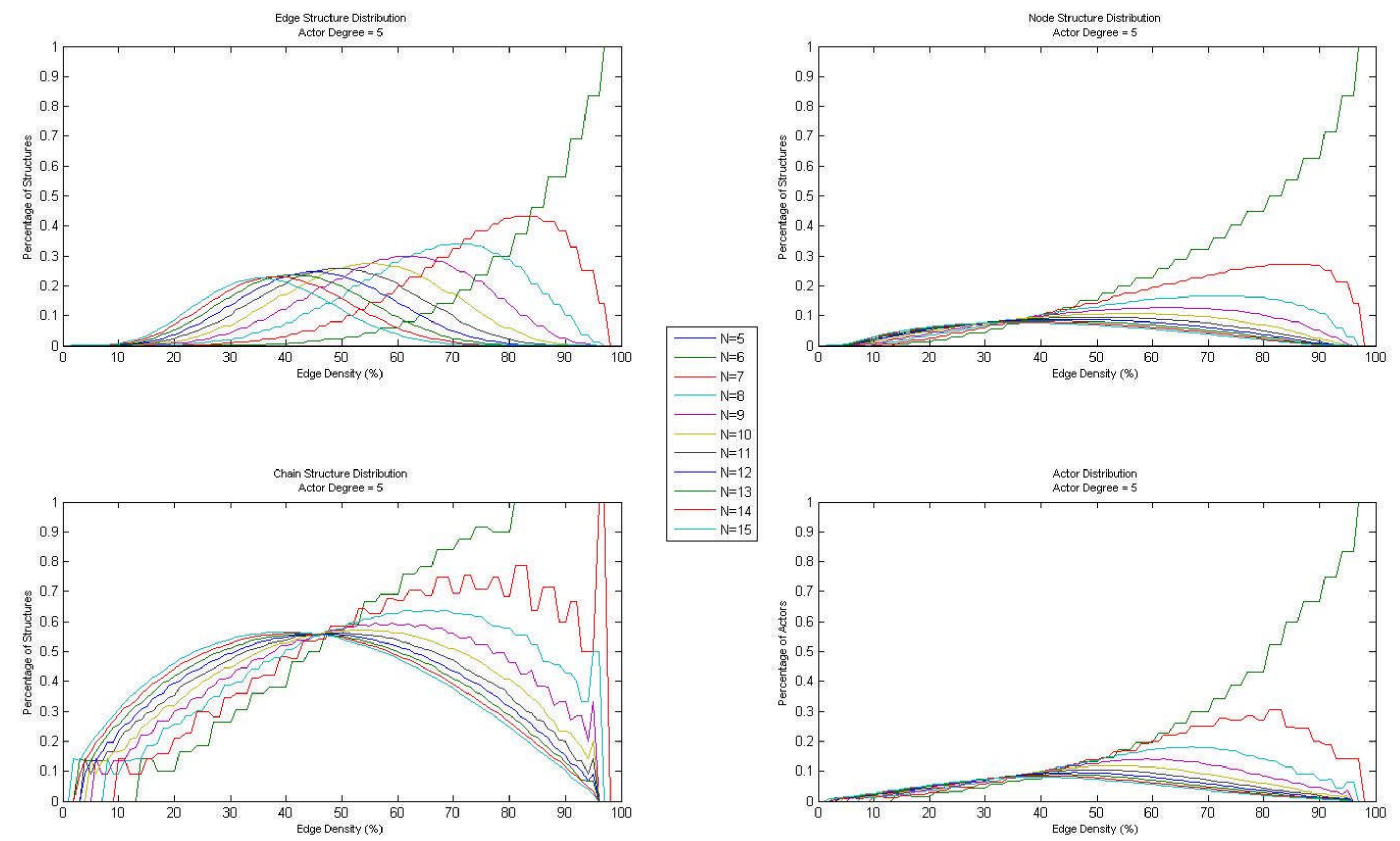


Figure 7 – Actor Degree Centrality Distributions where Actor Degree = 5

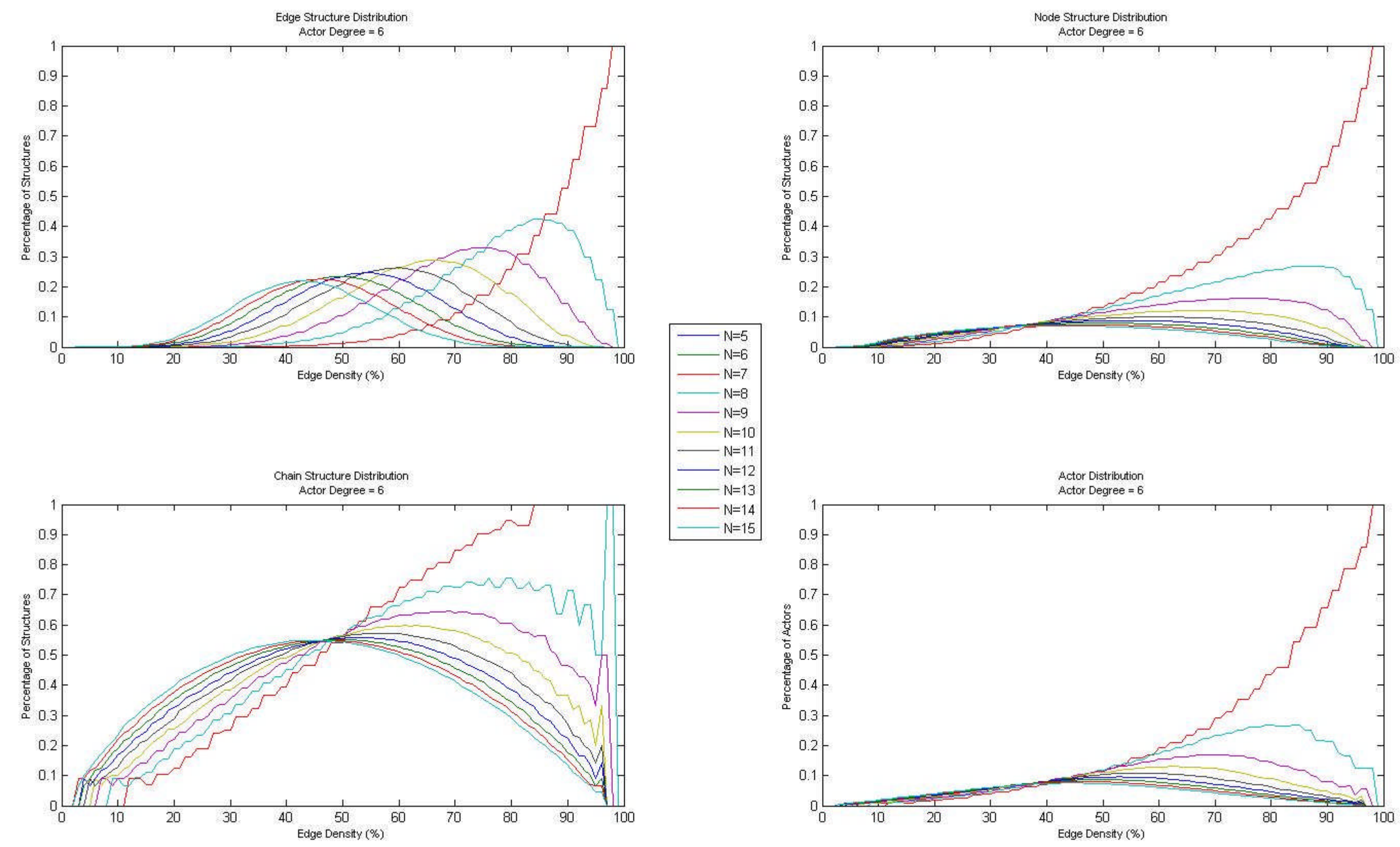


Figure 8 – Actor Degree Centrality Distributions where Actor Degree = 6

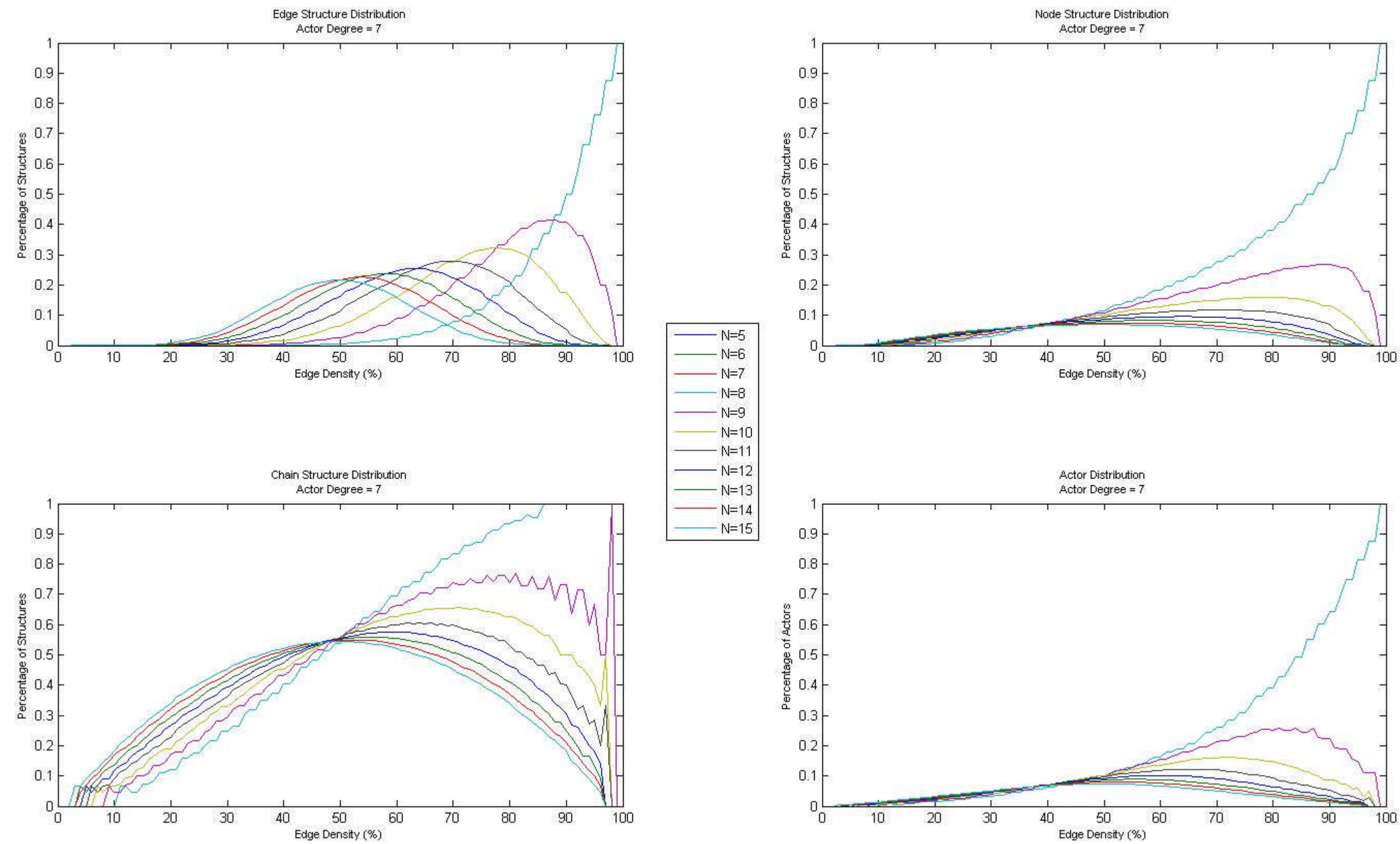


Figure 9 – Actor Degree Centrality Distributions where Actor Degree = 7

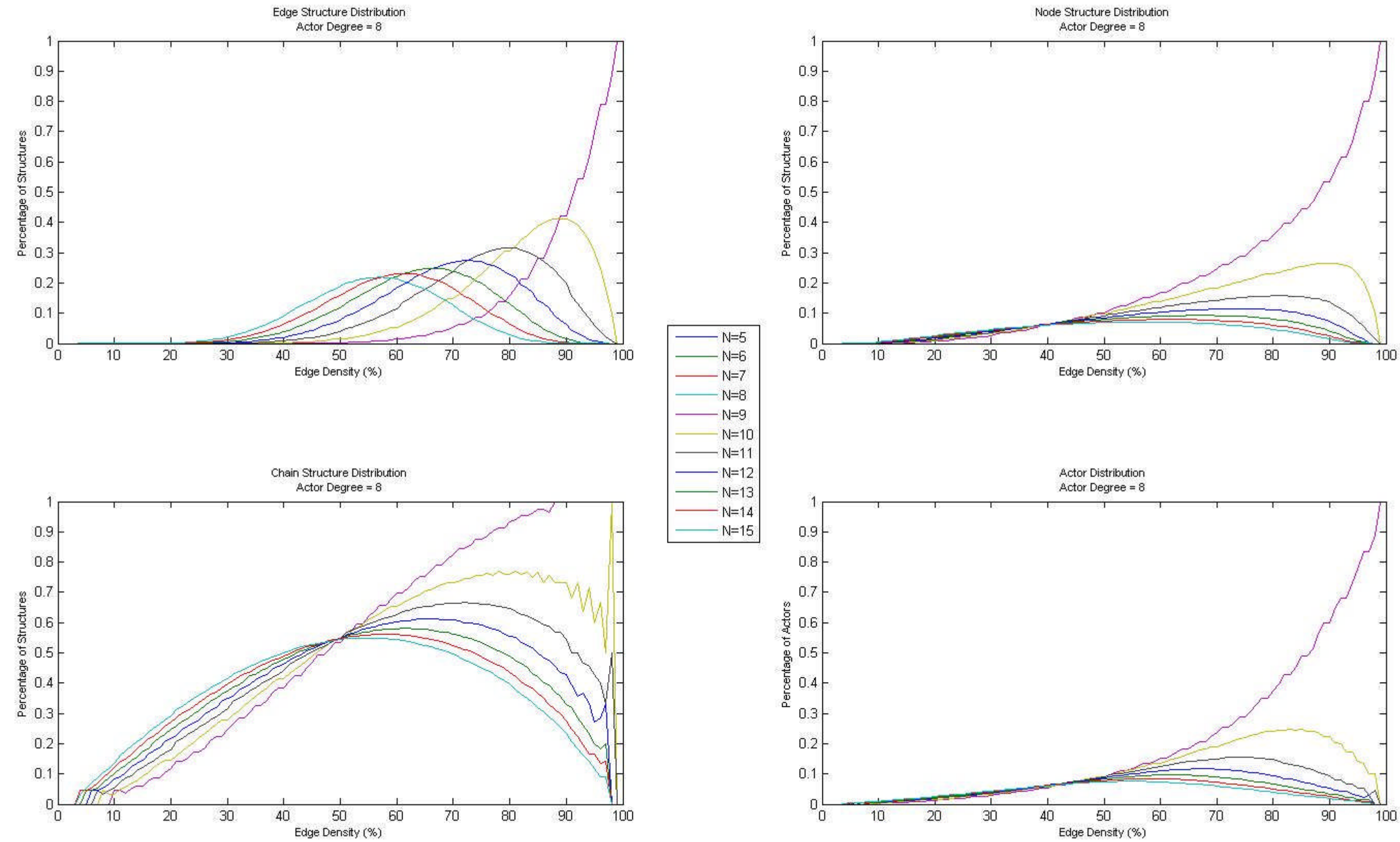


Figure 10 – Actor Degree Centrality Distributions where Actor Degree = 8

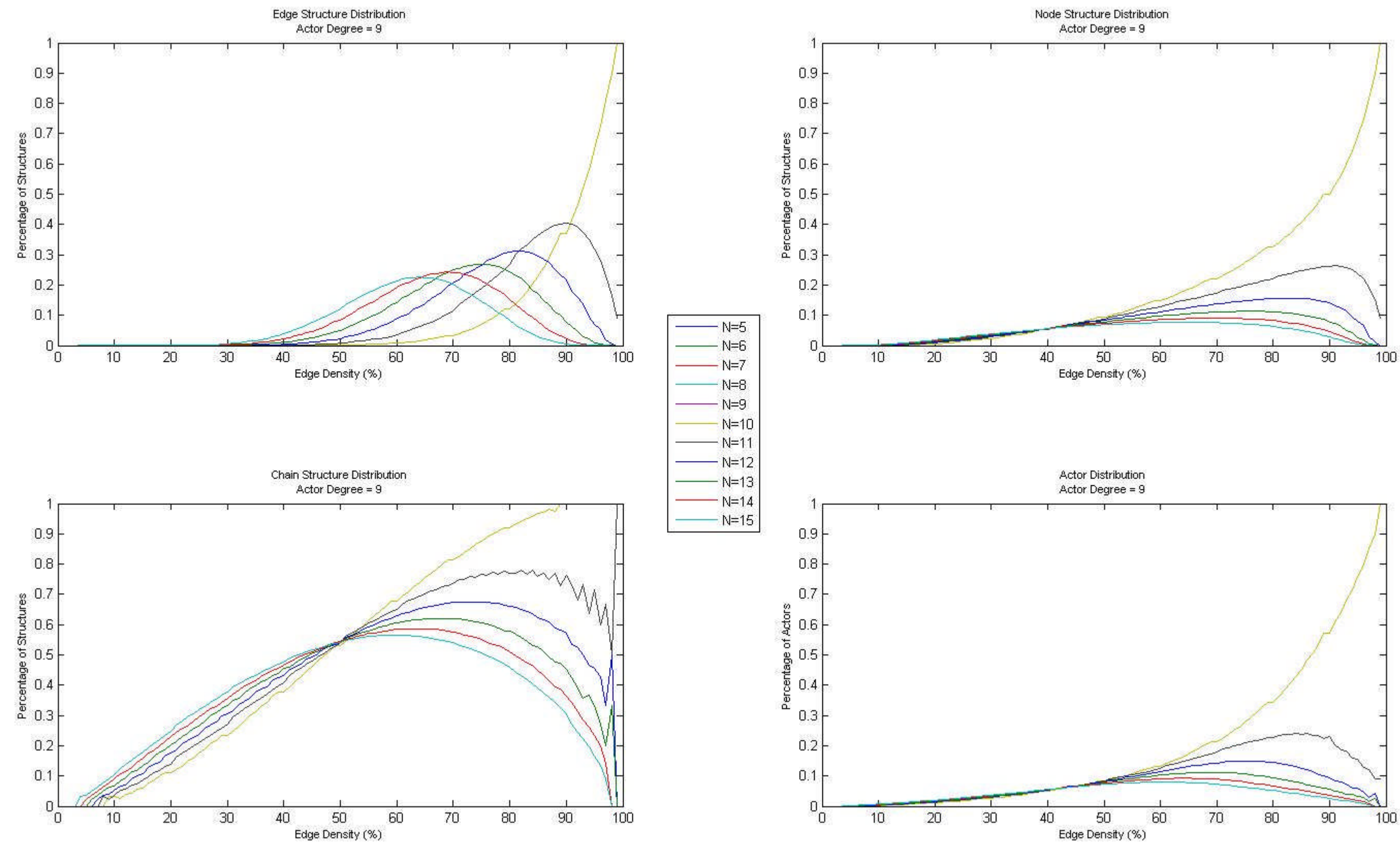


Figure 11 – Actor Degree Centrality Distributions where Actor Degree = 9

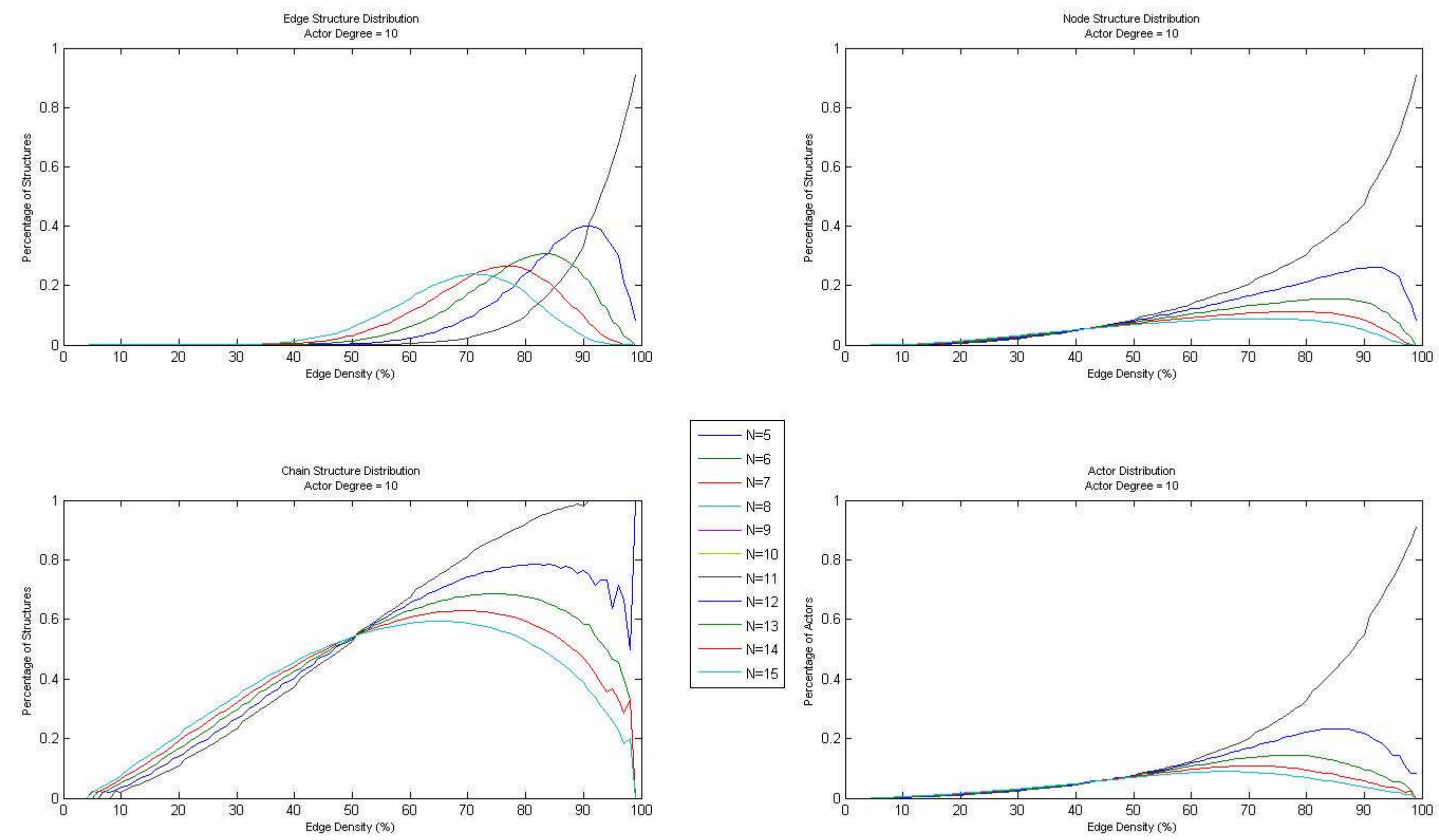


Figure 12 – Actor Degree Centrality Distributions where Actor Degree = 10

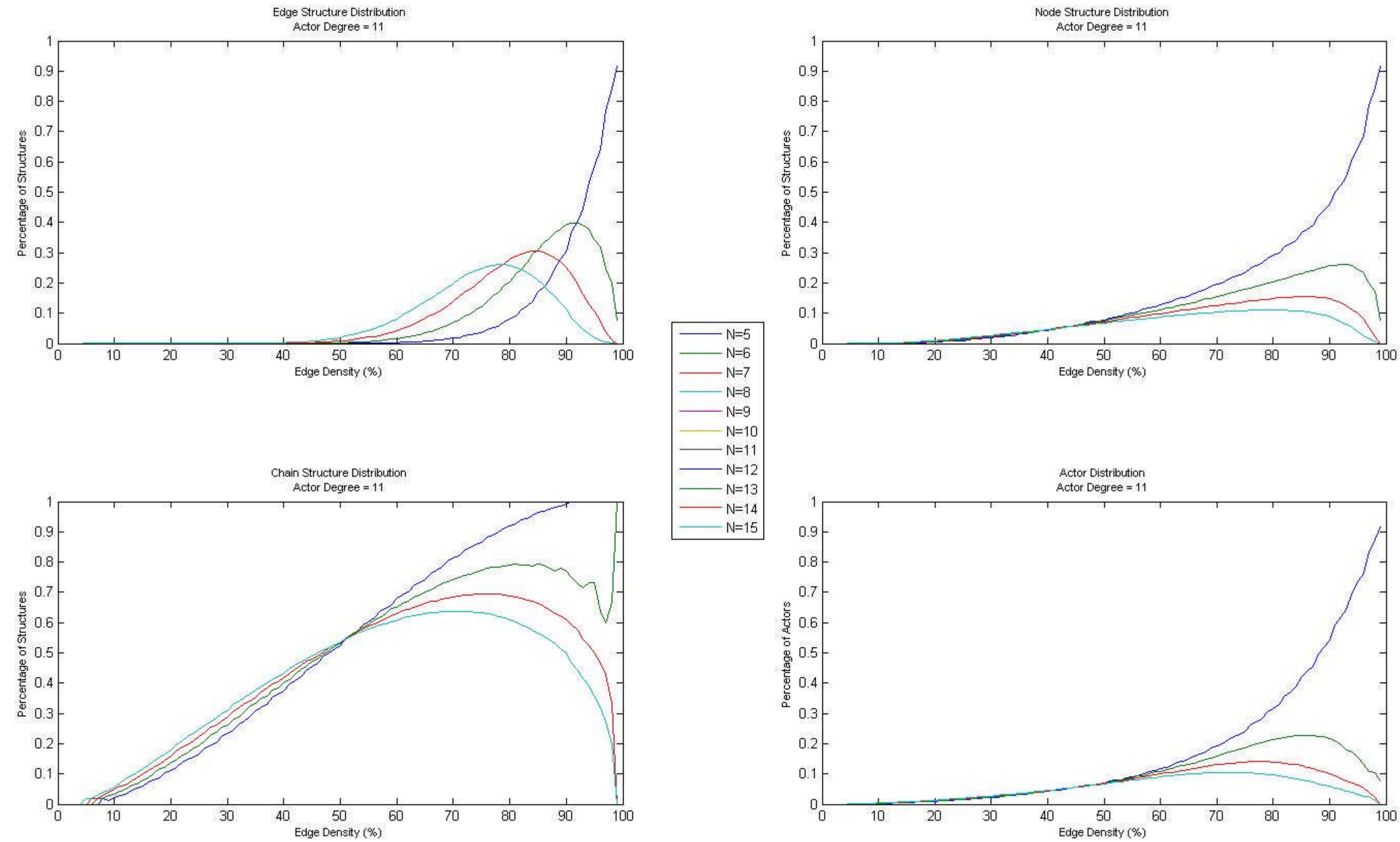


Figure 13 – Actor Degree Centrality Distributions where Actor Degree = 11

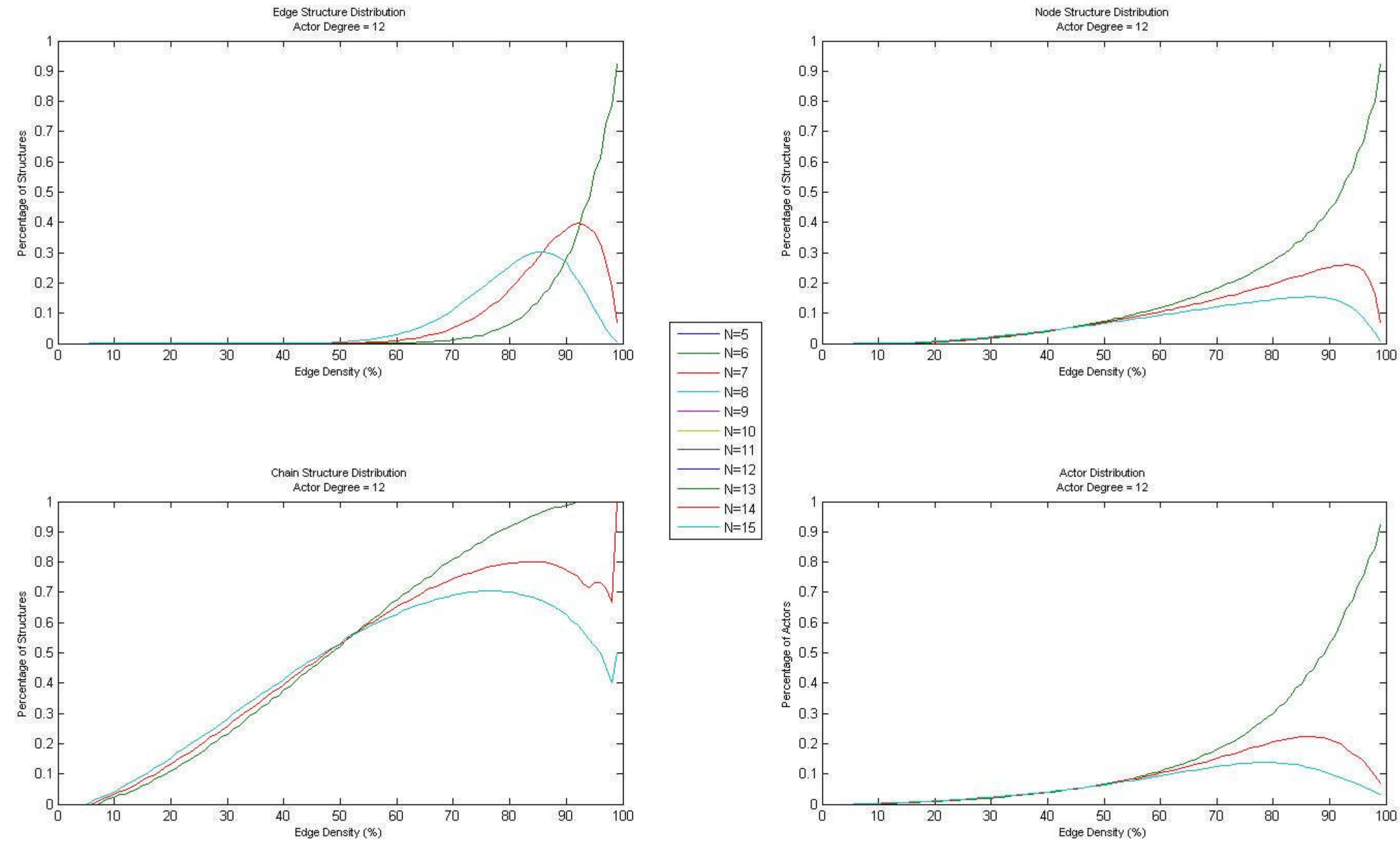


Figure 14 – Actor Degree Centrality Distributions where Actor Degree = 12

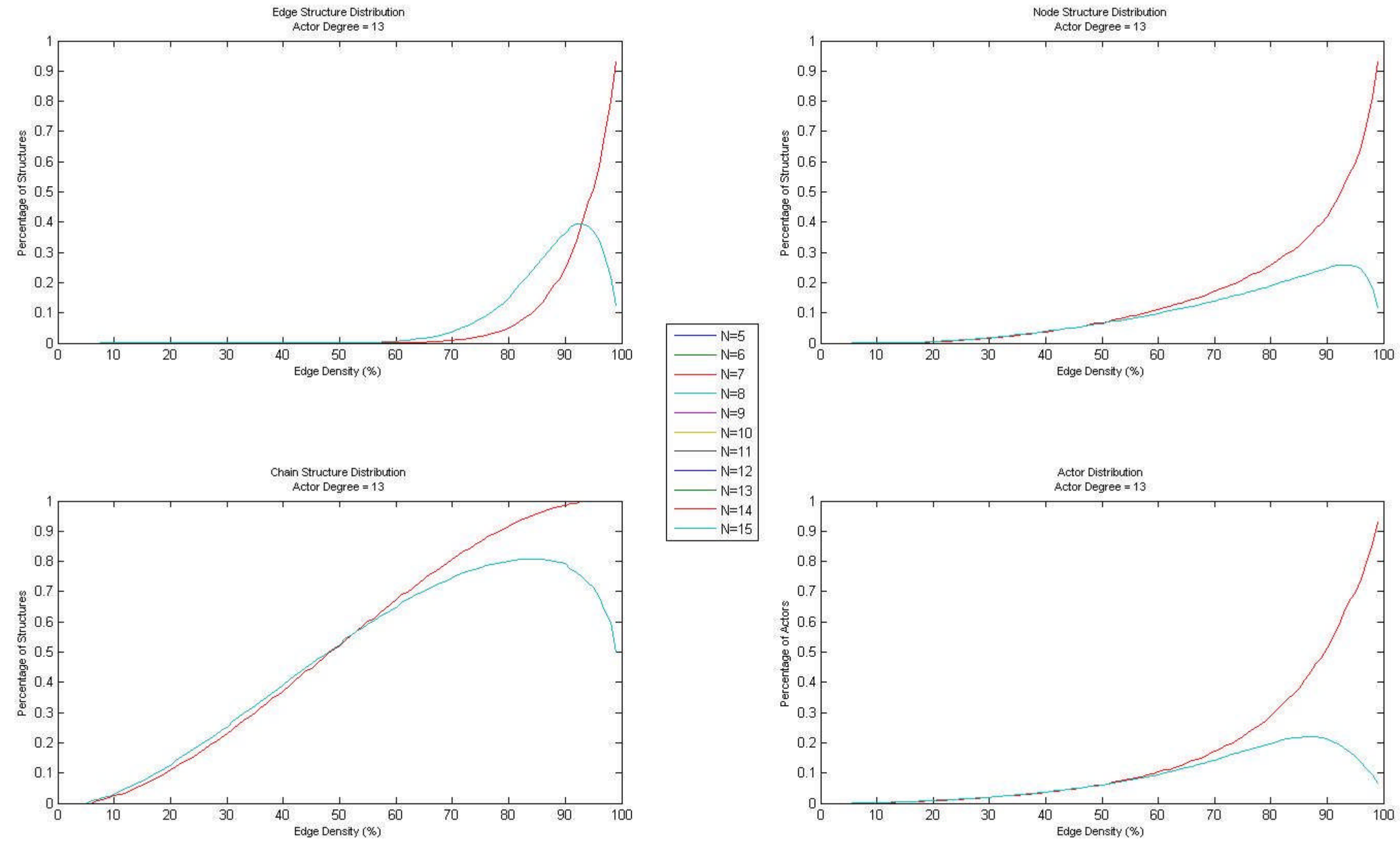


Figure 15 – Actor Degree Centrality Distributions where Actor Degree = 13

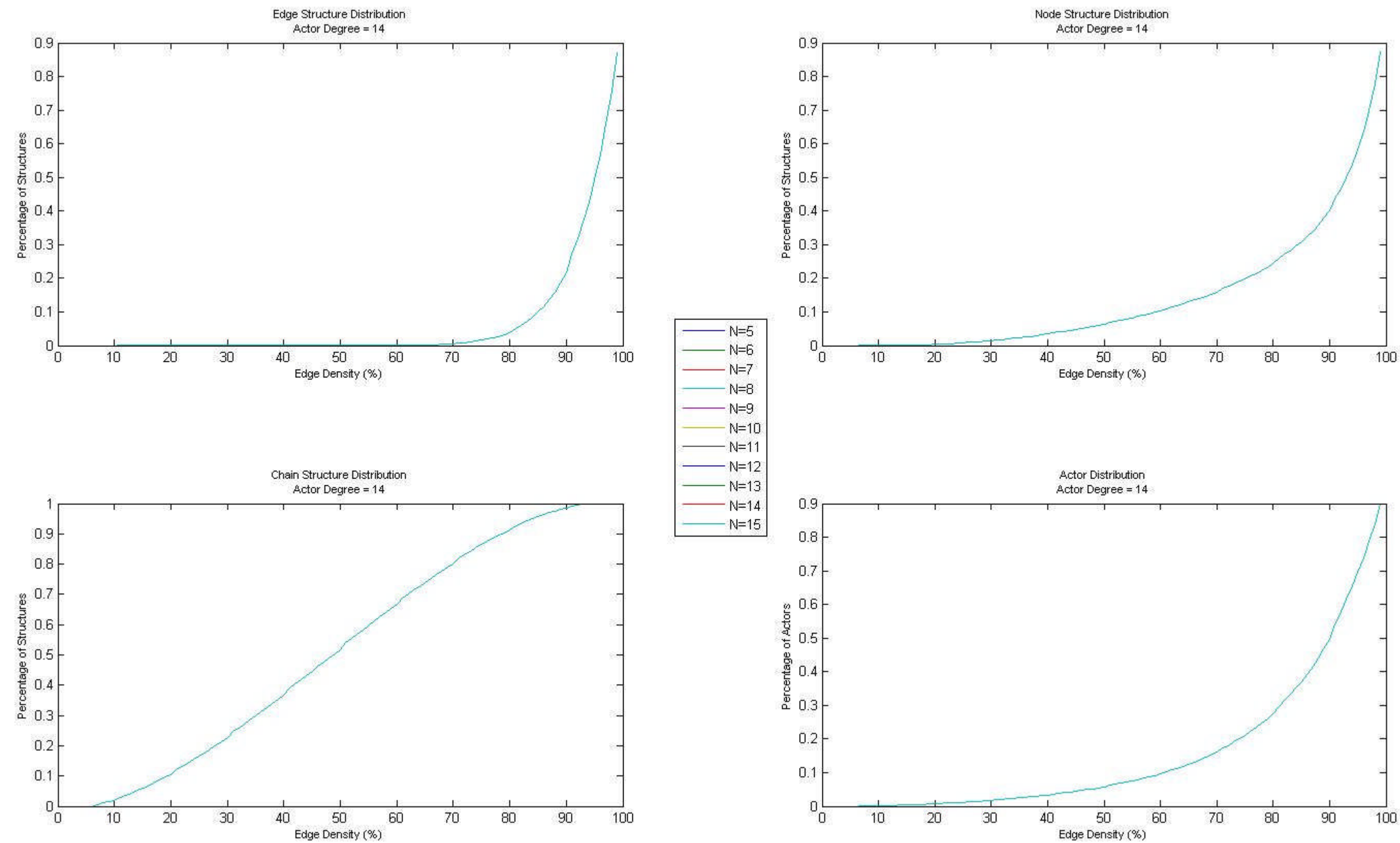


Figure 16 – Actor Degree Centrality Distributions where Actor Degree = 14

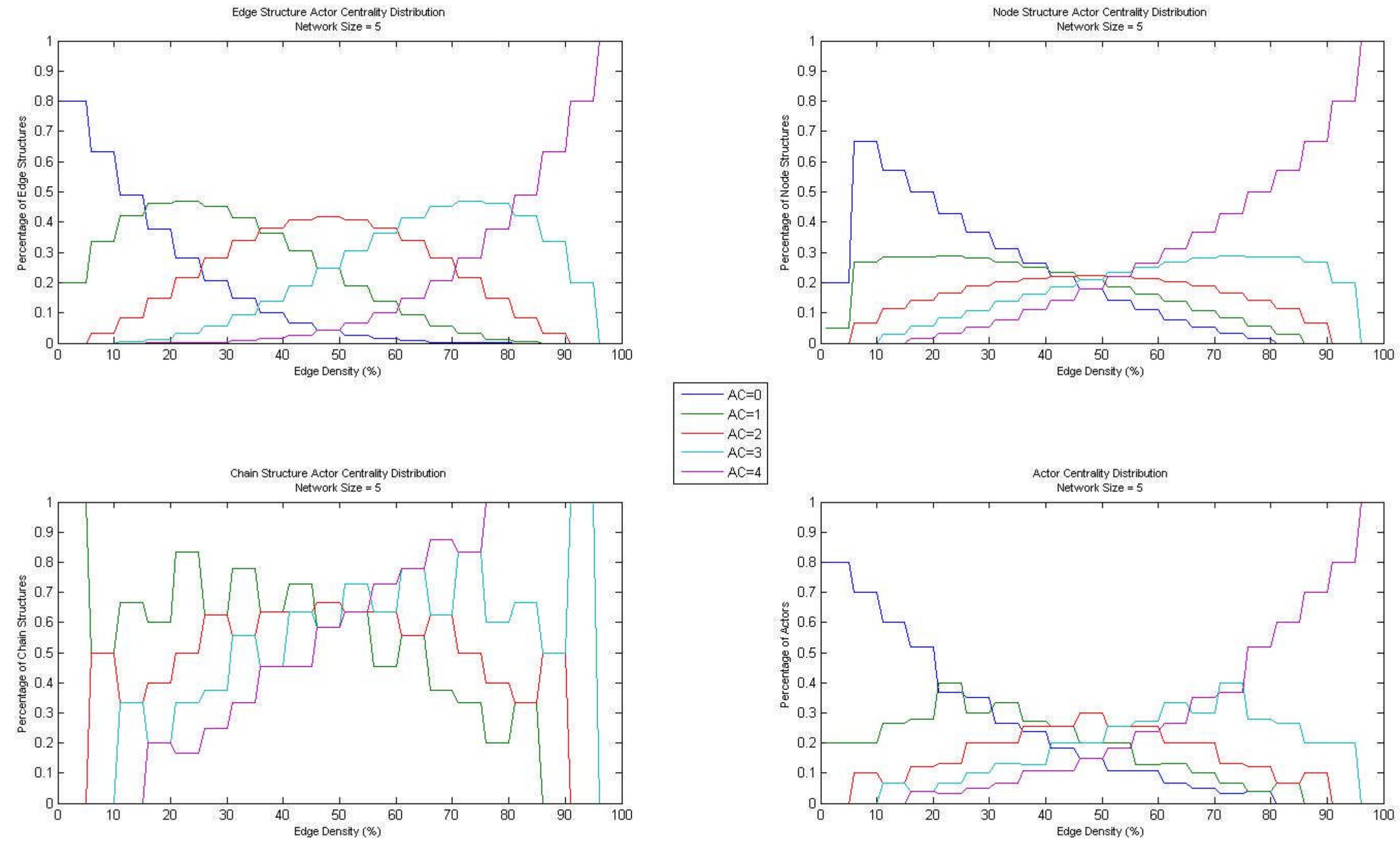


Figure 17 – Actor Degree Centrality Distributions where Network Size = 5

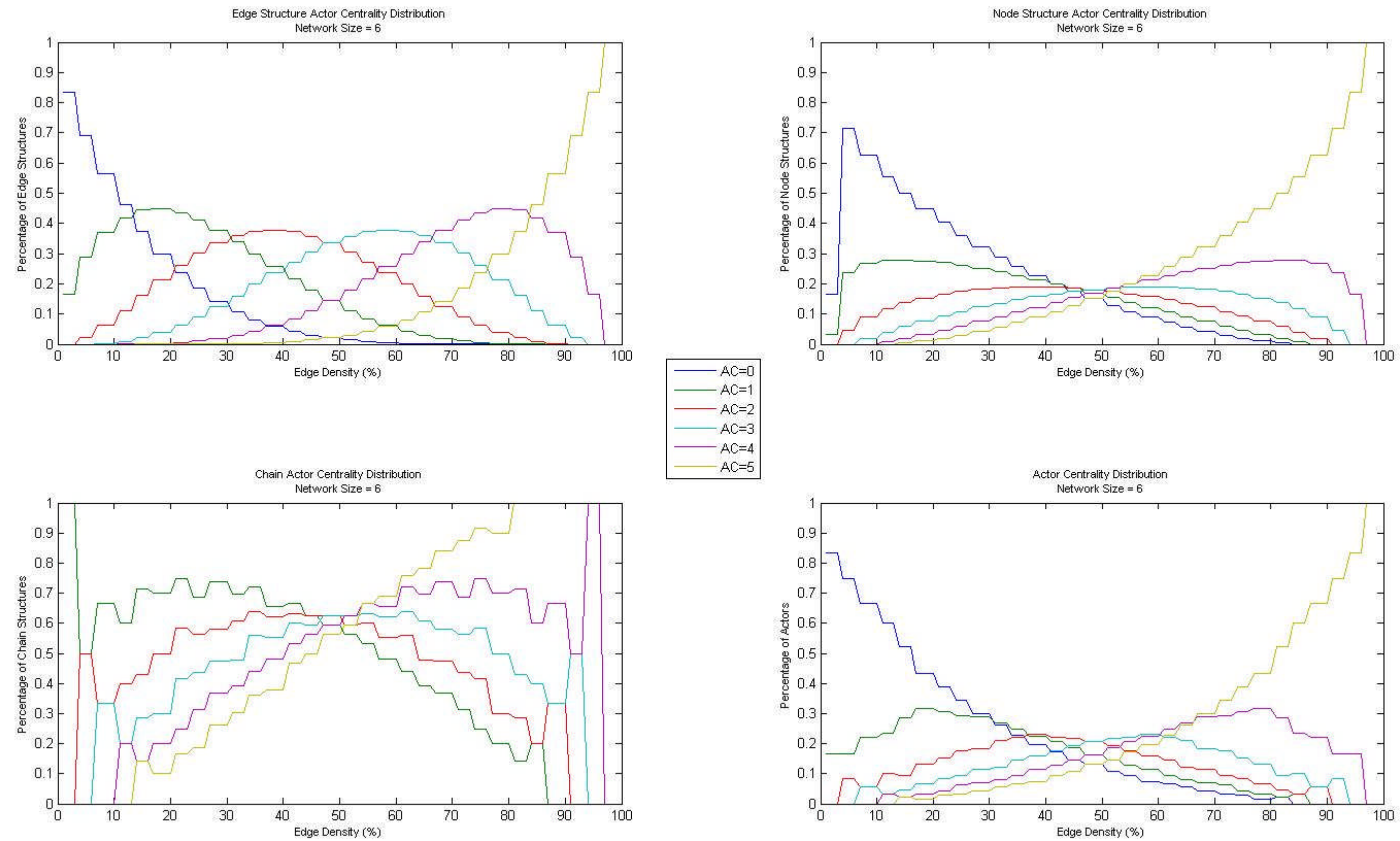


Figure 18 – Actor Degree Centrality Distributions where Network Size = 6

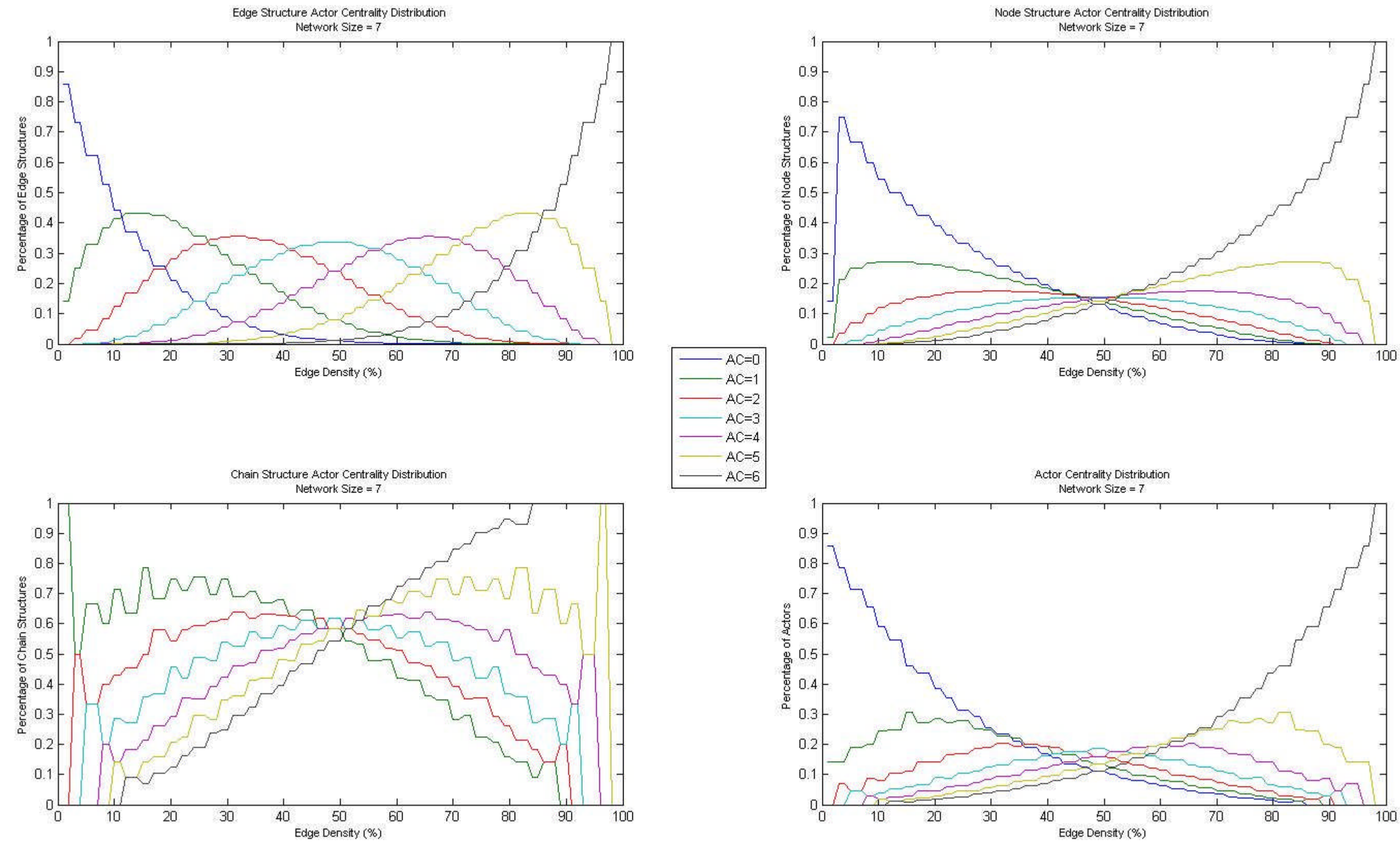


Figure 19 – Actor Degree Centrality Distributions where Network Size = 7

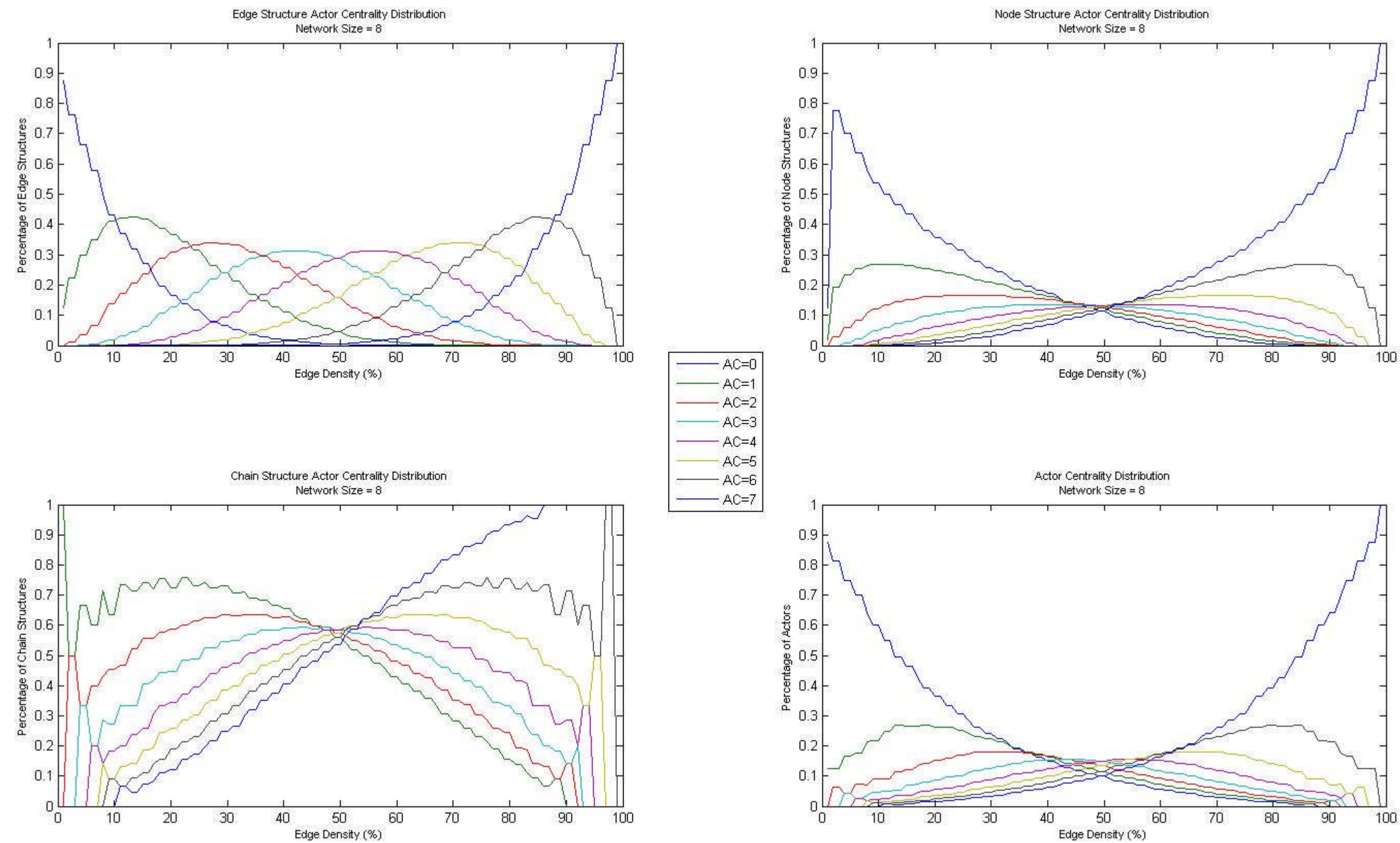


Figure 20 – Actor Degree Centrality Distributions where Network Size = 8

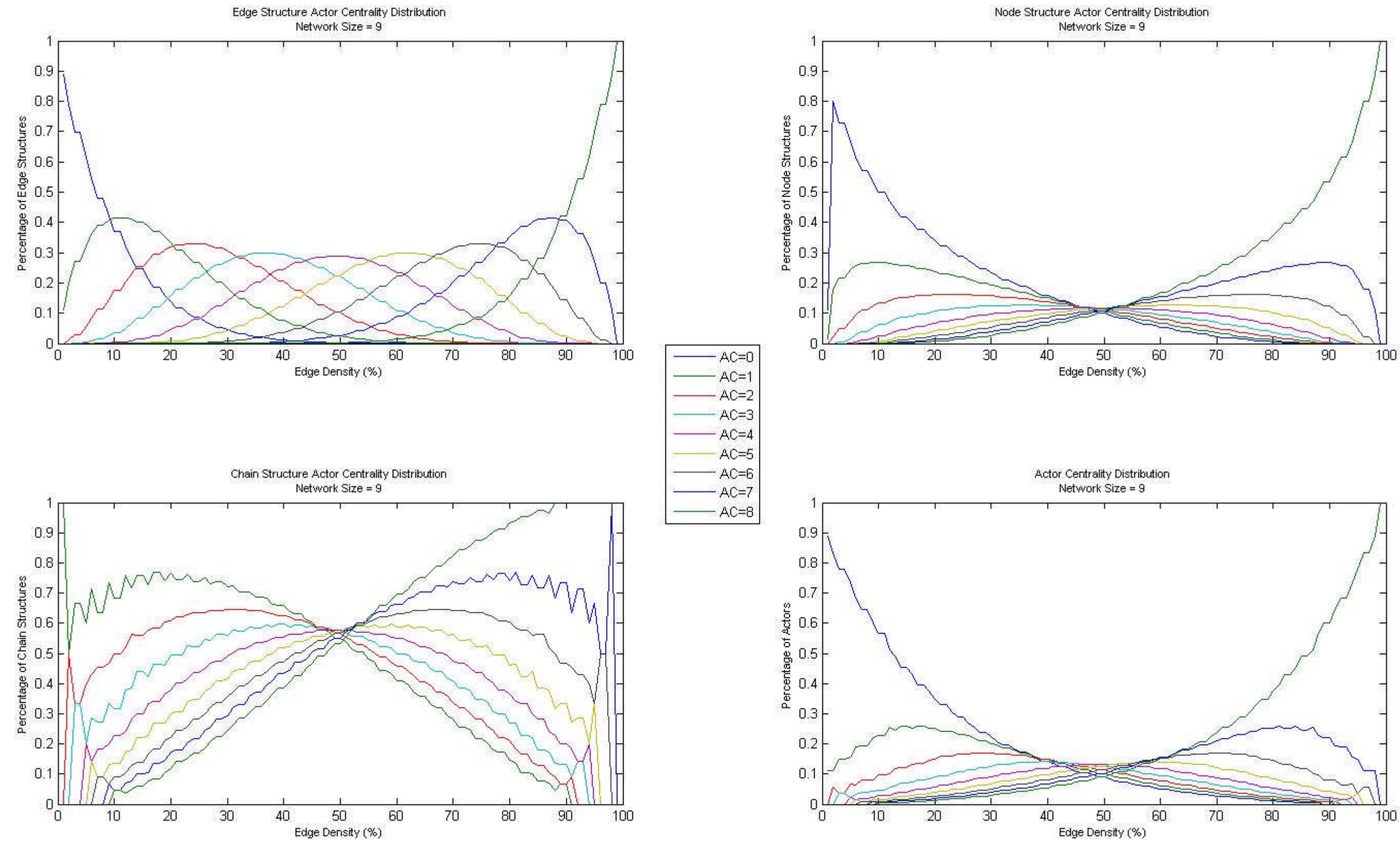


Figure 21 – Actor Degree Centrality Distributions where Network Size = 9

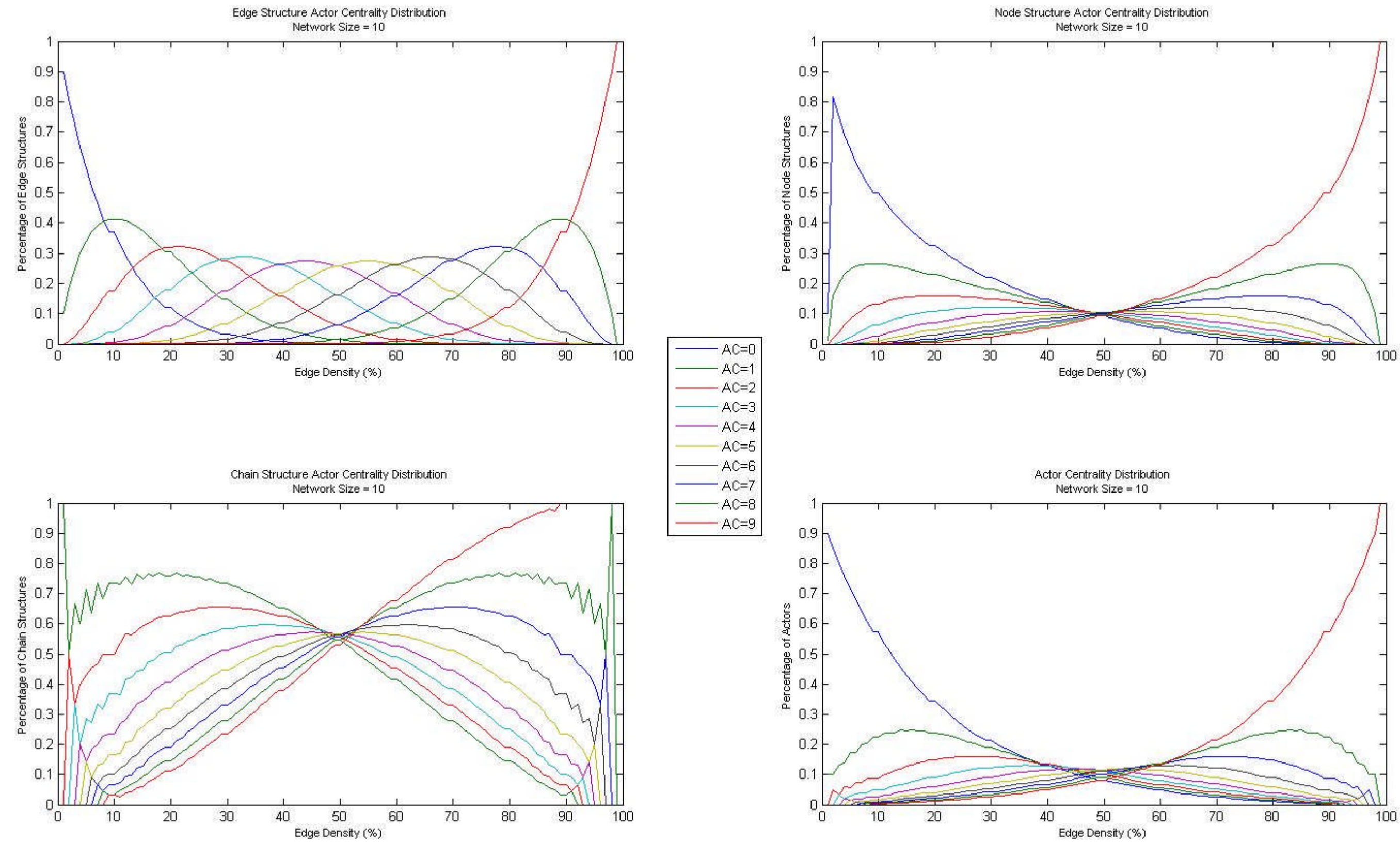


Figure 22 – Actor Degree Centrality Distributions where Network Size = 10

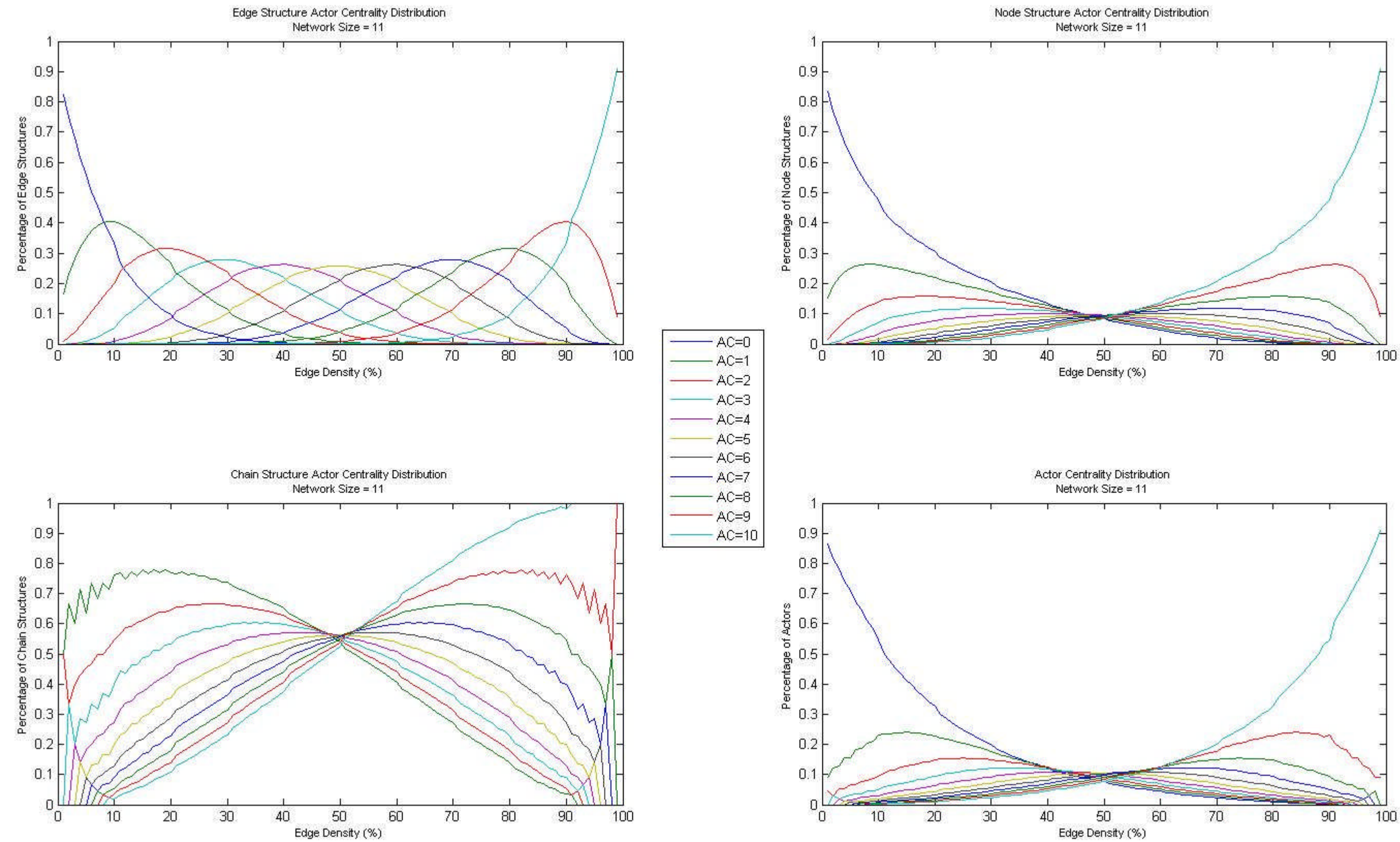


Figure 23 – Actor Degree Centrality Distributions where Network Size = 11

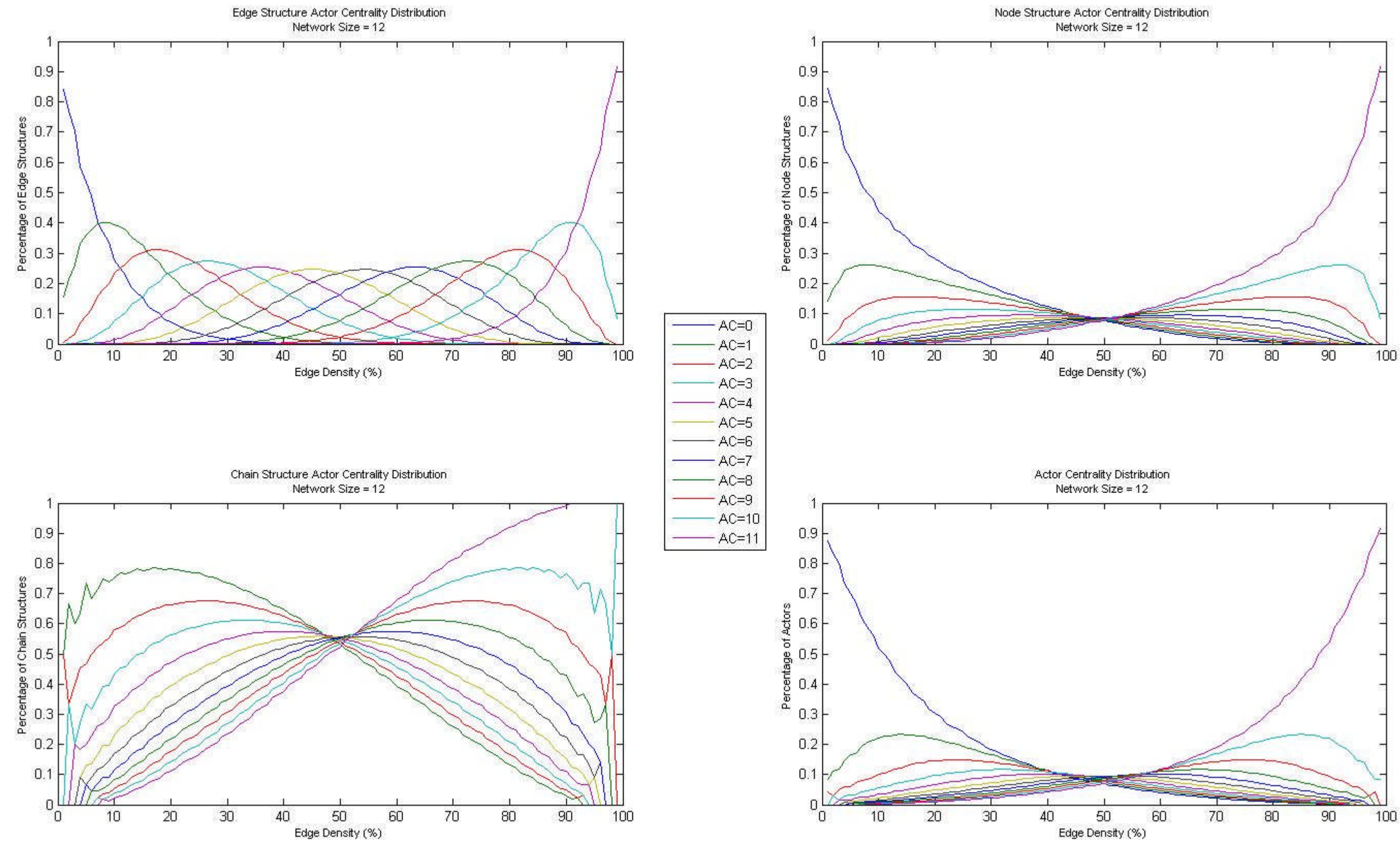


Figure 24 – Actor Degree Centrality Distributions where Network Size = 12

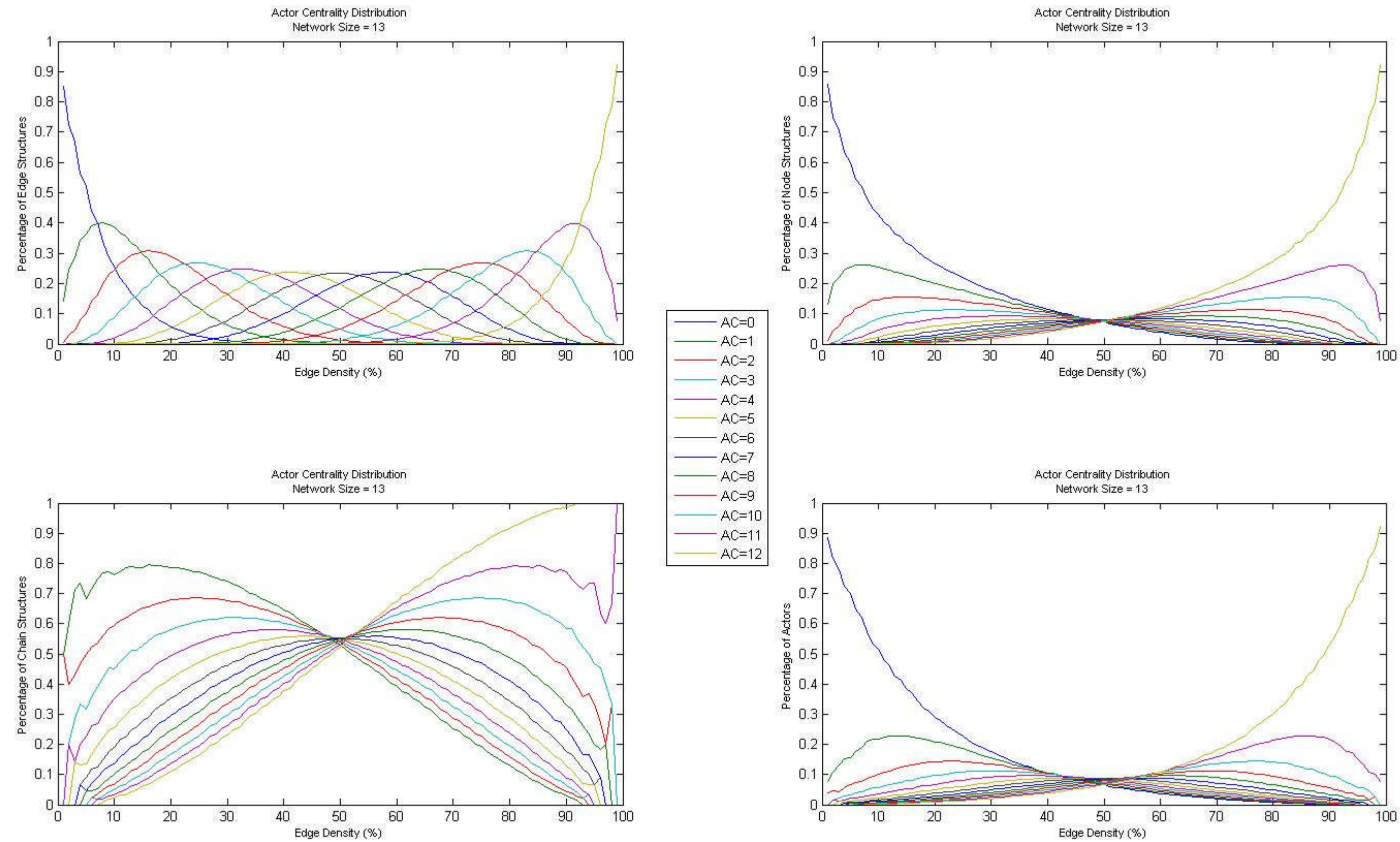


Figure 25 – Actor Degree Centrality Distributions where Network Size = 13

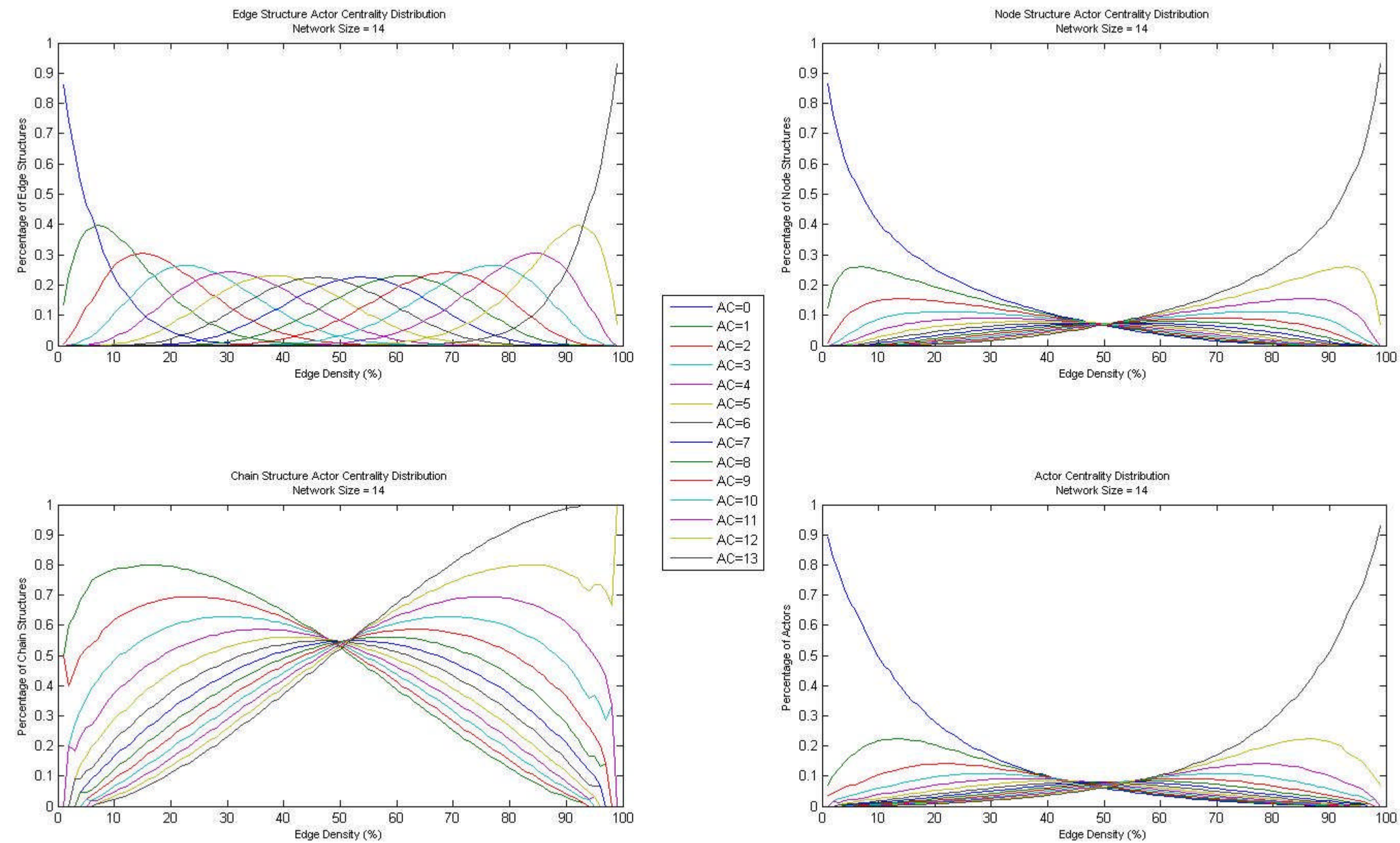


Figure 26 – Actor Degree Centrality Distributions where Network Size = 14

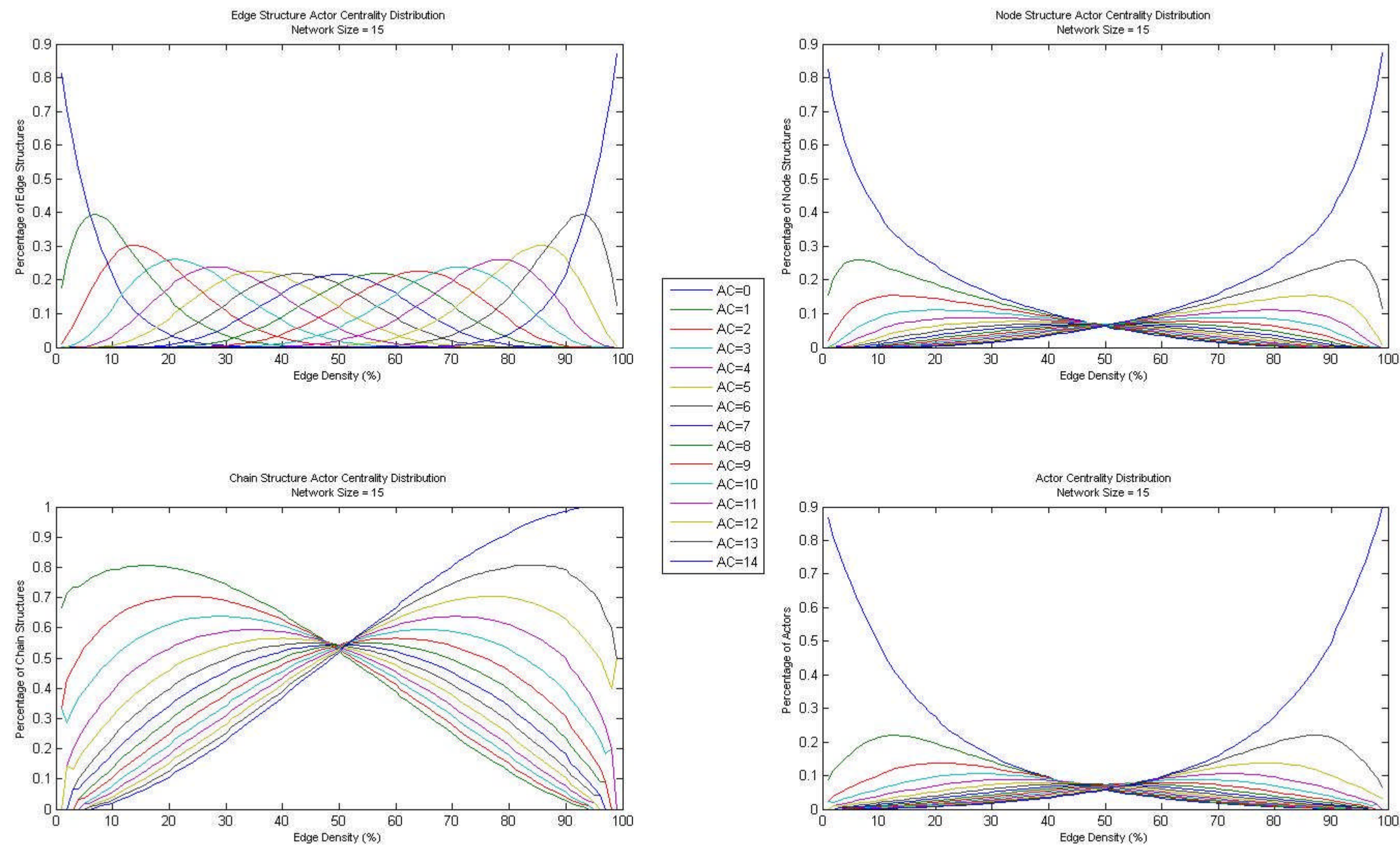


Figure 27 – Actor Degree Centrality Distributions where Network Size = 15

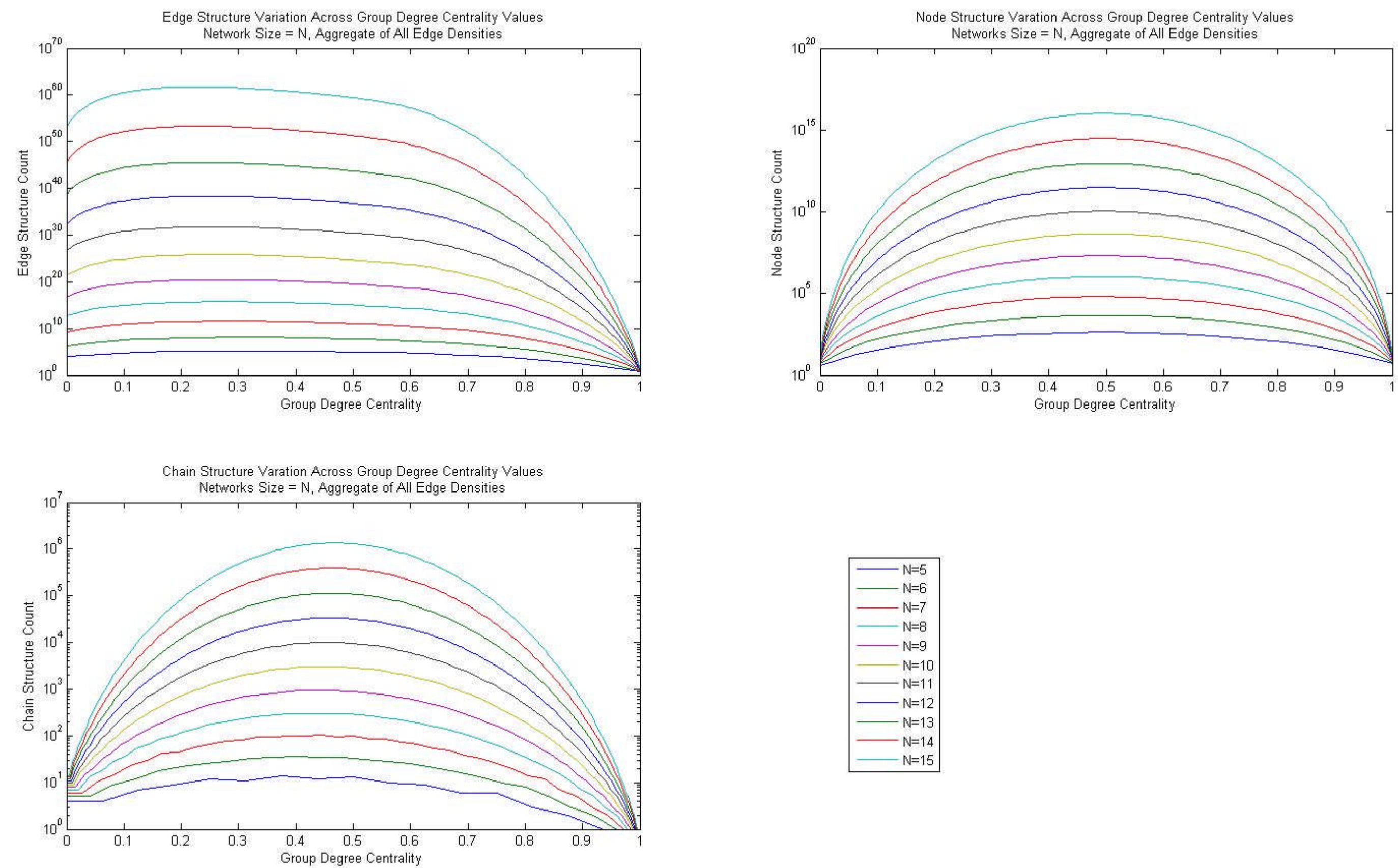


Figure 28 – Group Degree Centrality Structural Variation Distributions (Network Size = N)

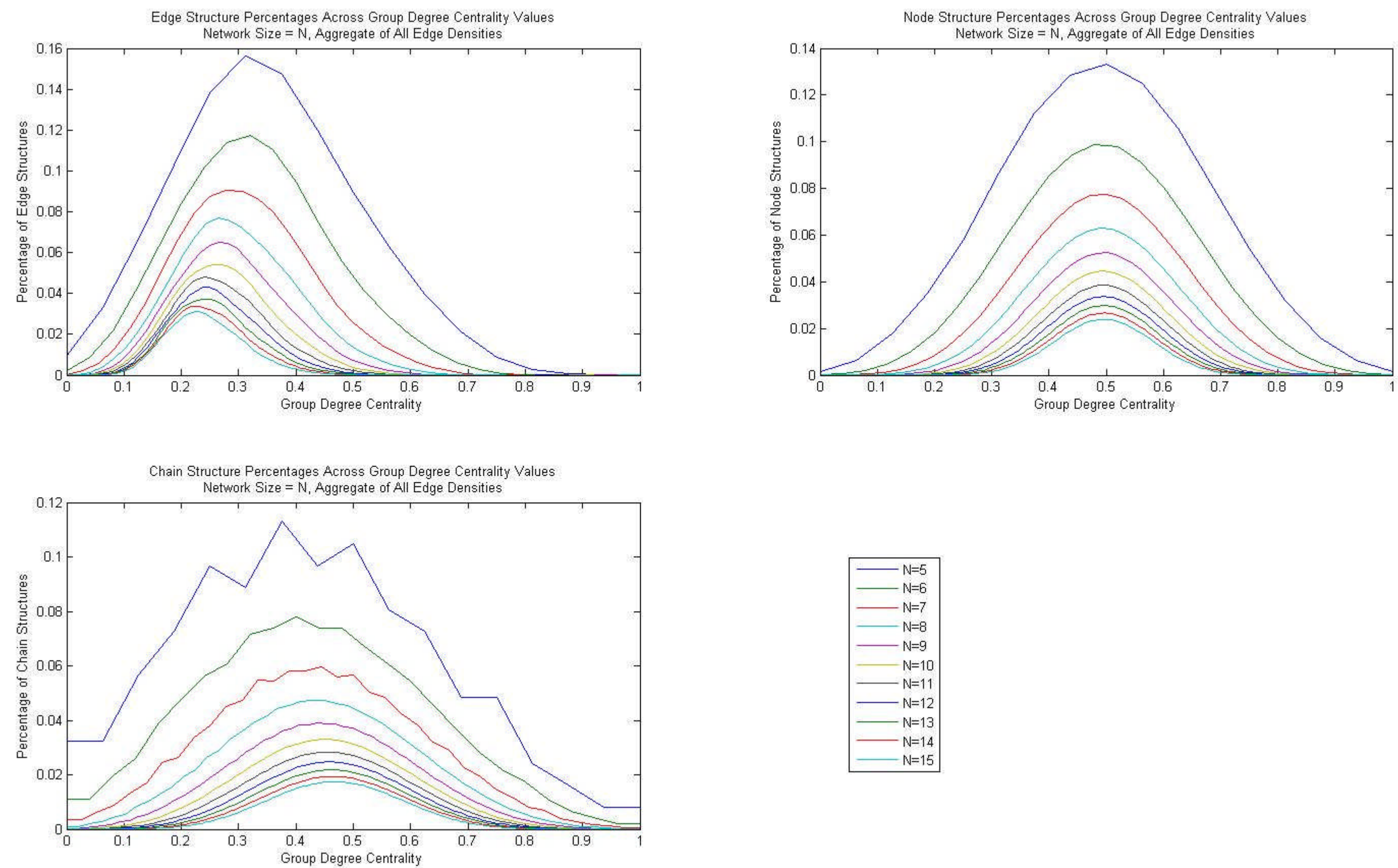
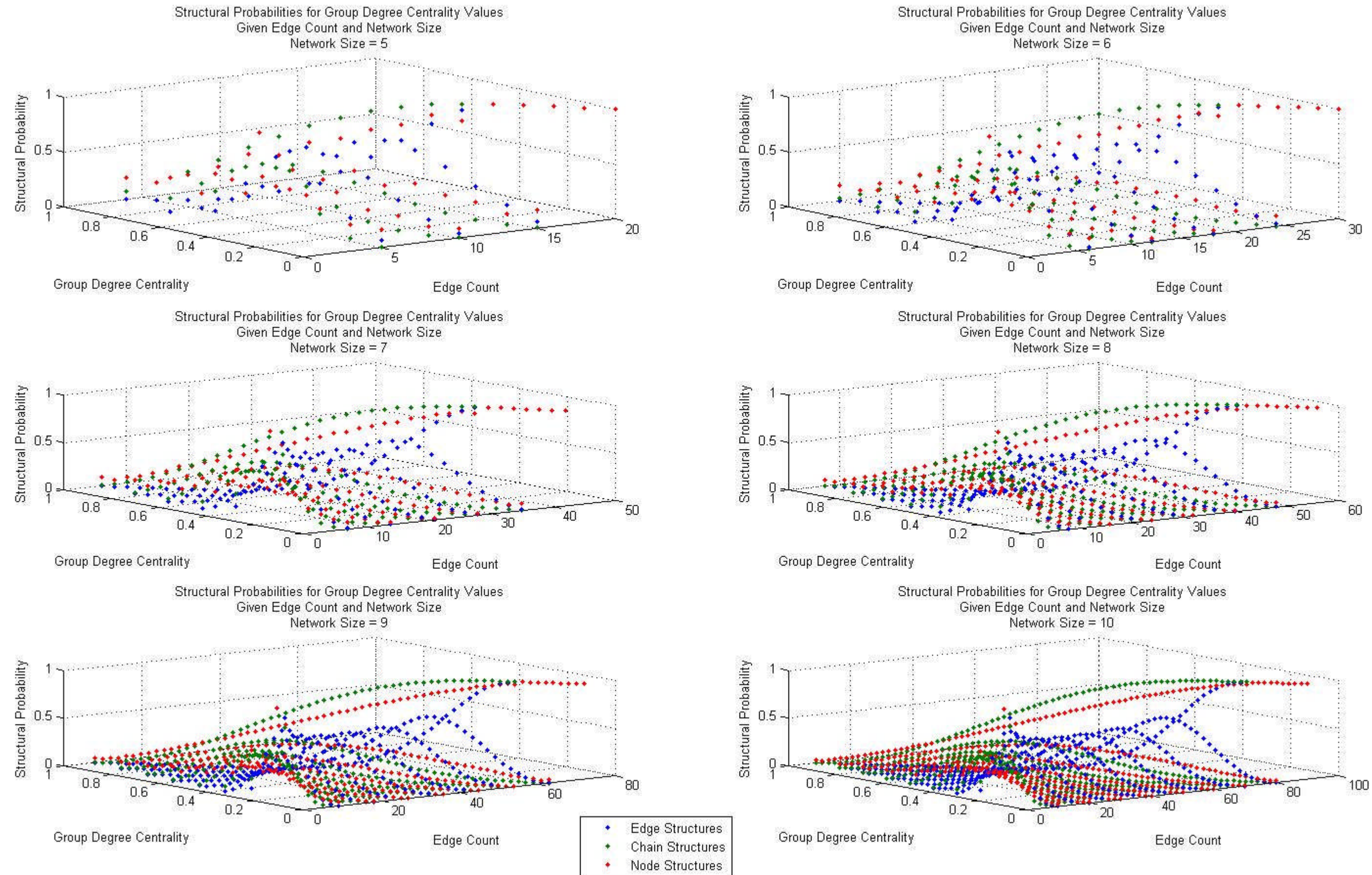


Figure 29 – Group Degree Centrality Structural Percentage Distributions (Network Size = N)



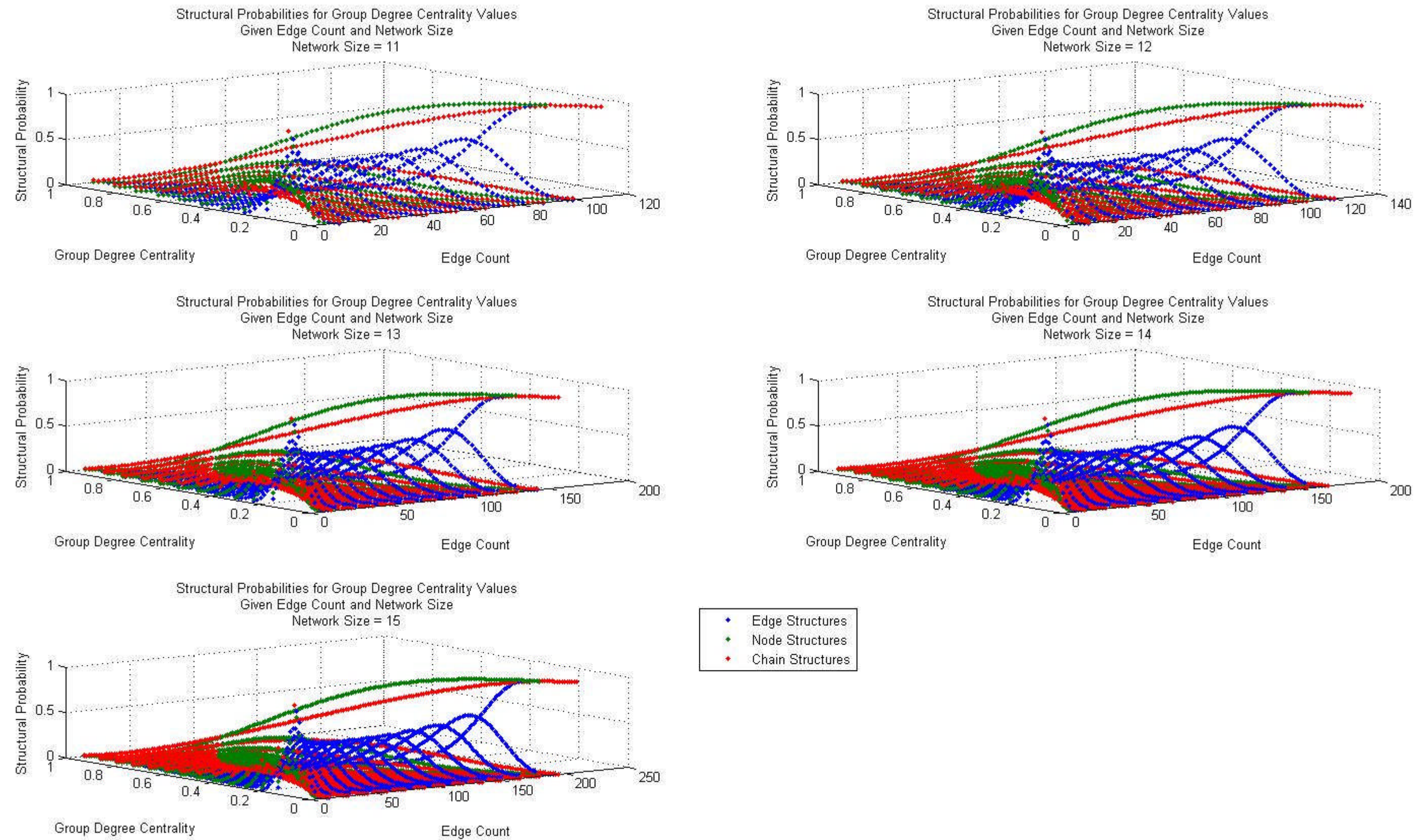


Figure 31 – Structural Probabilities for Group Degree Centrality Values Given Edge Count and Network Size – Networks Size 11 through 15

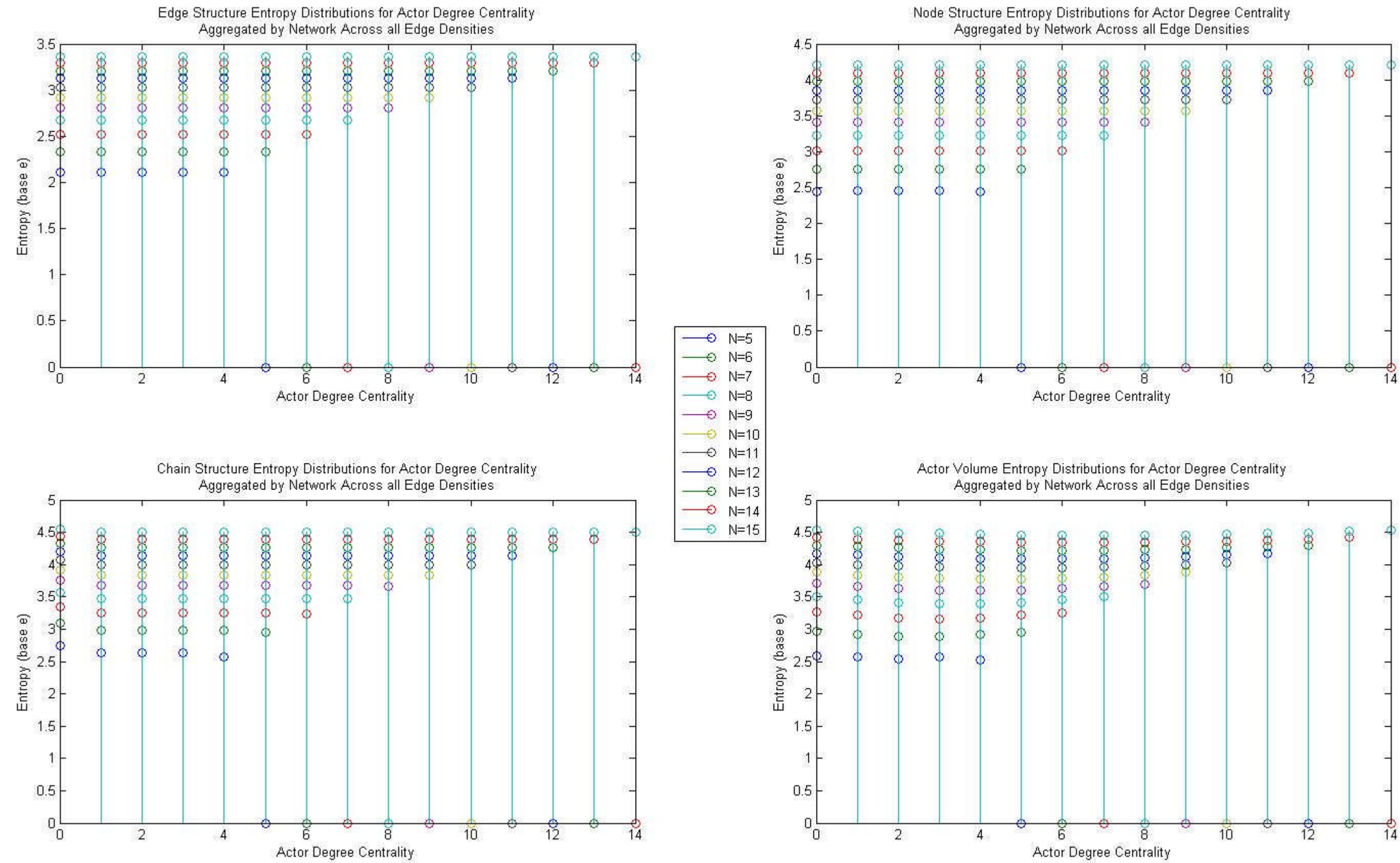


Figure 32 – Structural Entropy Distributions for Actor Degree Centrality Aggregated by Network Across all Edge Densities

Edge Structural Entropy Distributions for Group Degree Centrality Aggregated by Network Across all Edge Densities

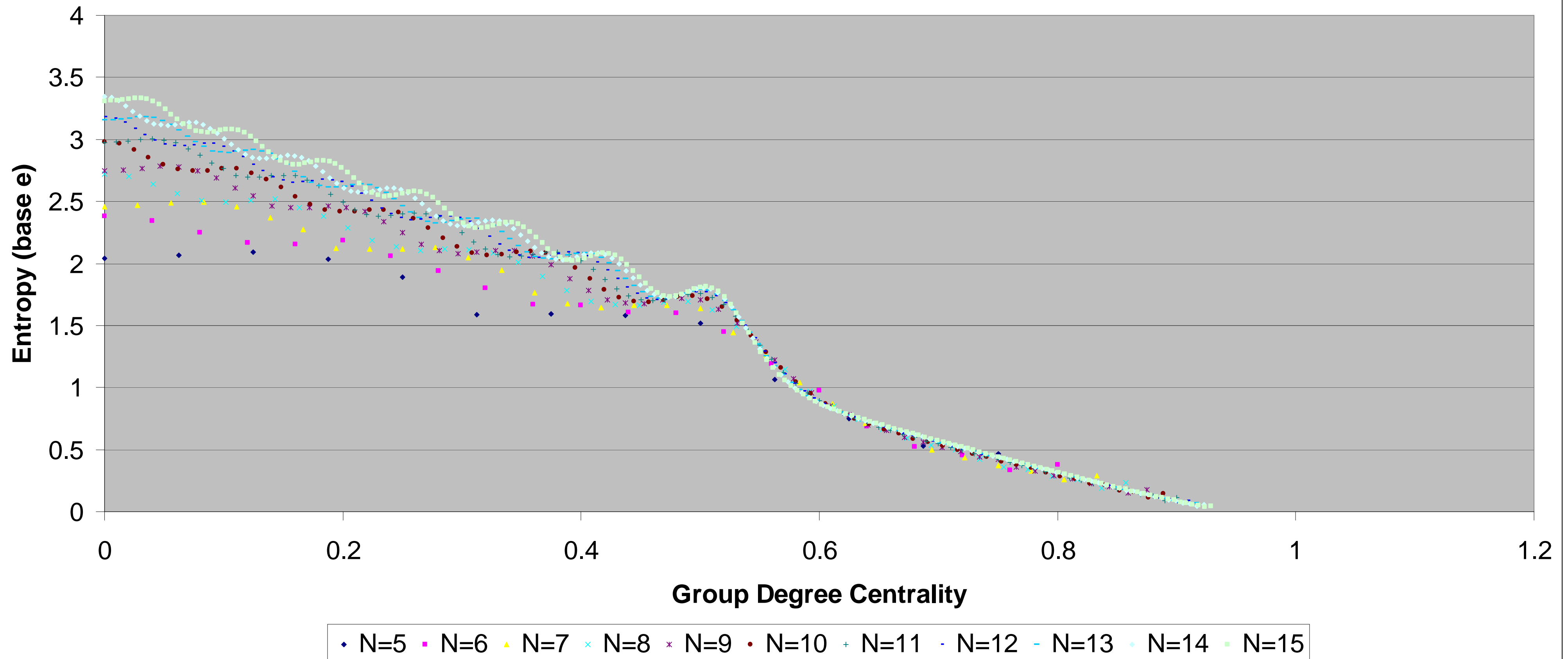


Figure 33 – Edge Structural Entropy Distributions for Group Degree Centrality Aggregated by Network Across all Edge Densities

Node Structural Entropy Distributions for Group Degree Centrality Aggregated by Network Across all Edge Densities

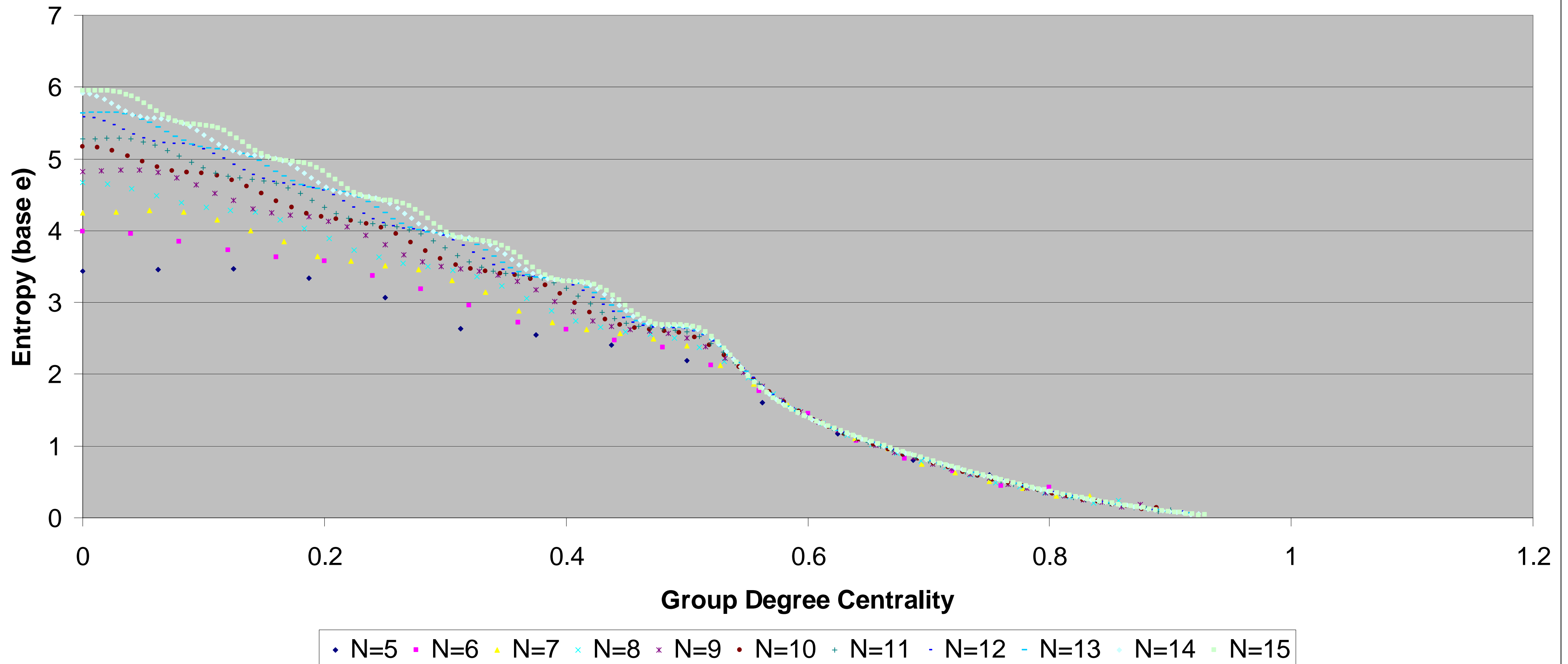


Figure 34 – Node Structural Entropy Distributions for Group Degree Centrality Aggregated by Network Across all Edge Densities

Chain Structure Entropy Distributions for Group Degree Centrality Aggregated by Network Across all Edge Densities

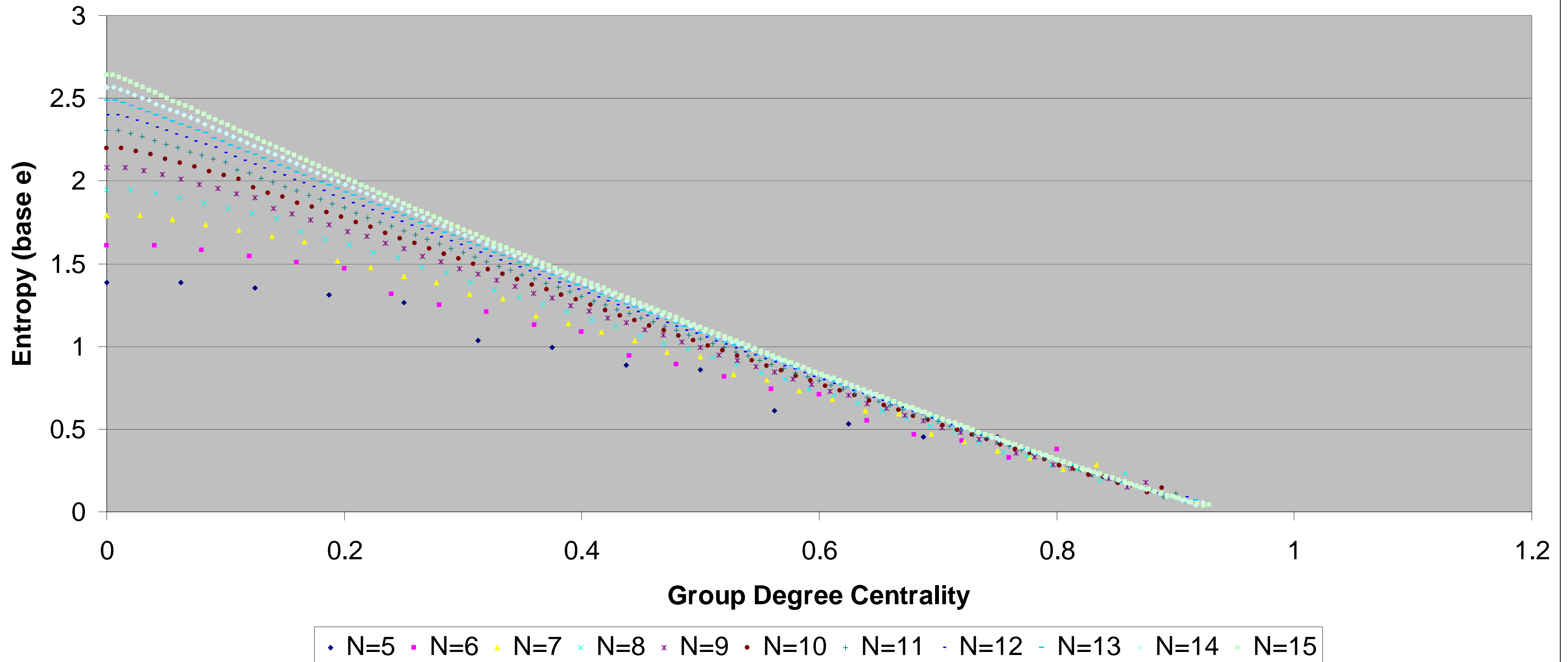


Figure 35 – Chain Structural Entropy Distributions for Group Degree Centrality Aggregated by Network Across all Edge Densities