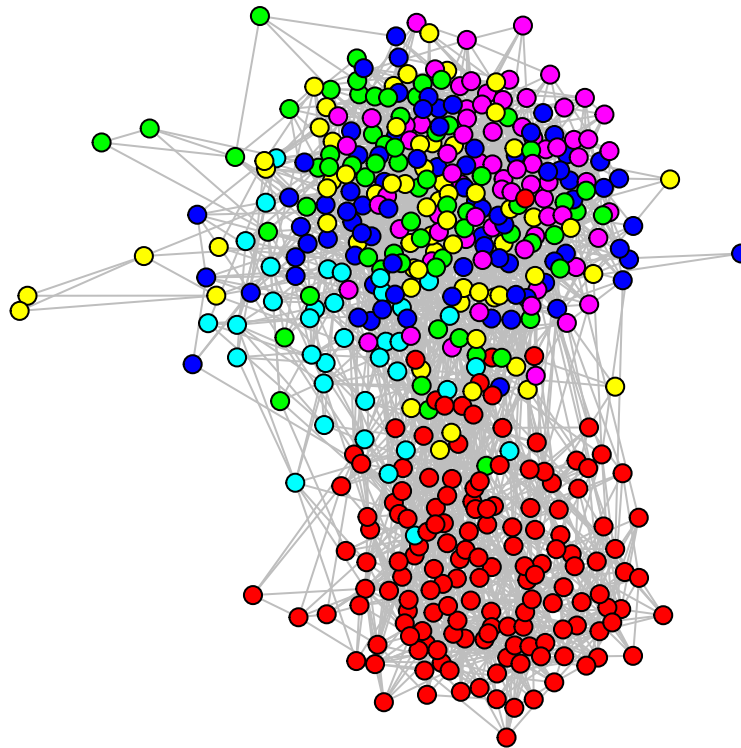
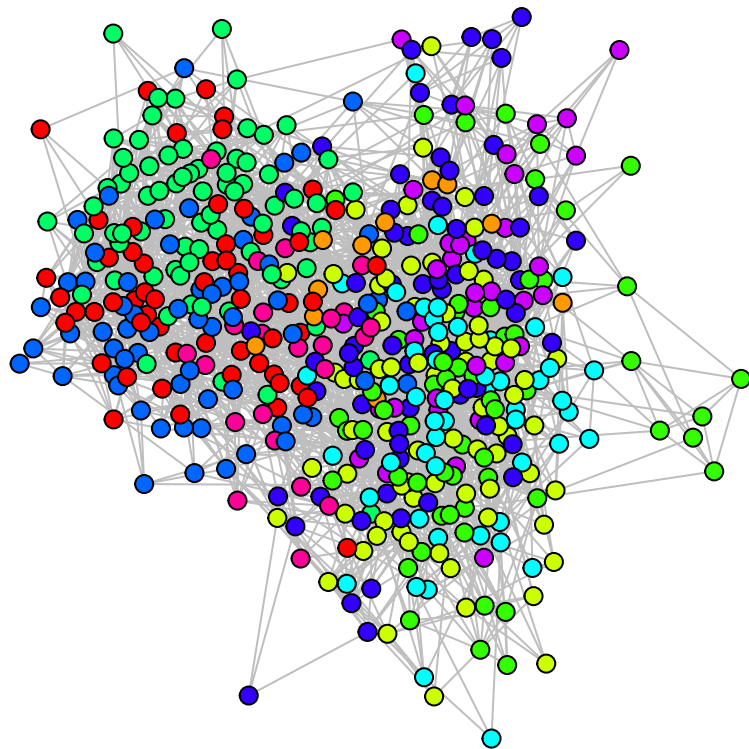


pH 4



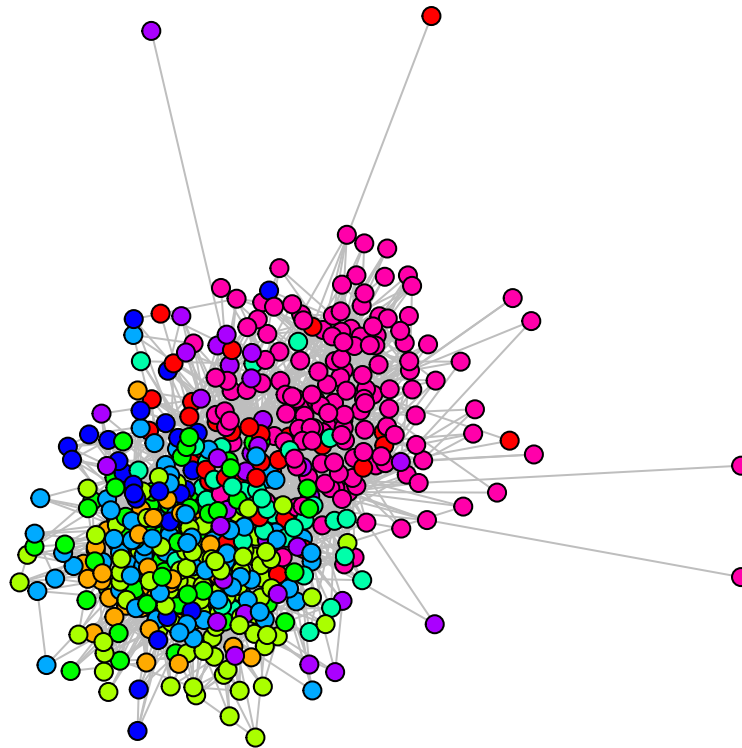
Number of Clusters: 6
Modularity: 0.44

pH 45



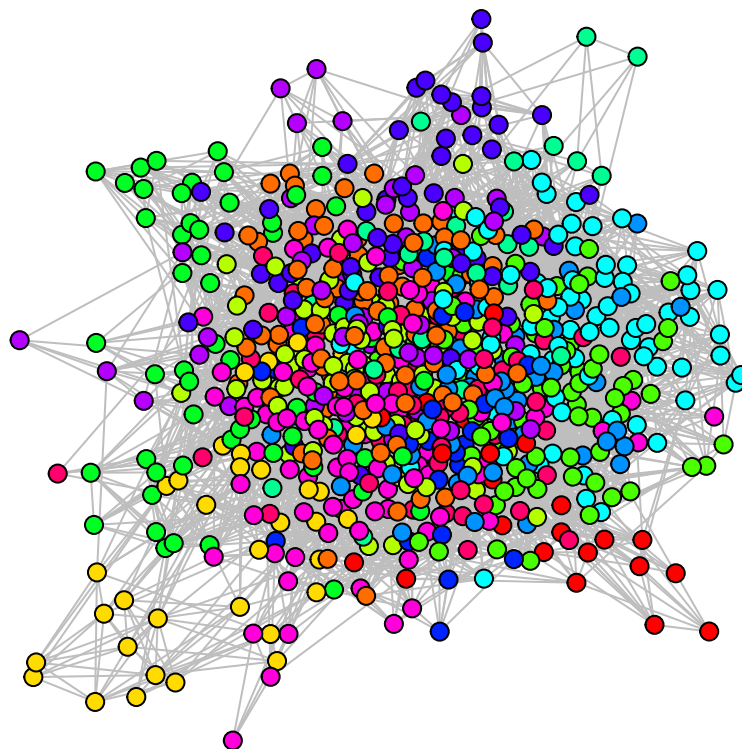
Number of Clusters: 10
Modularity: 0.41

pH 5



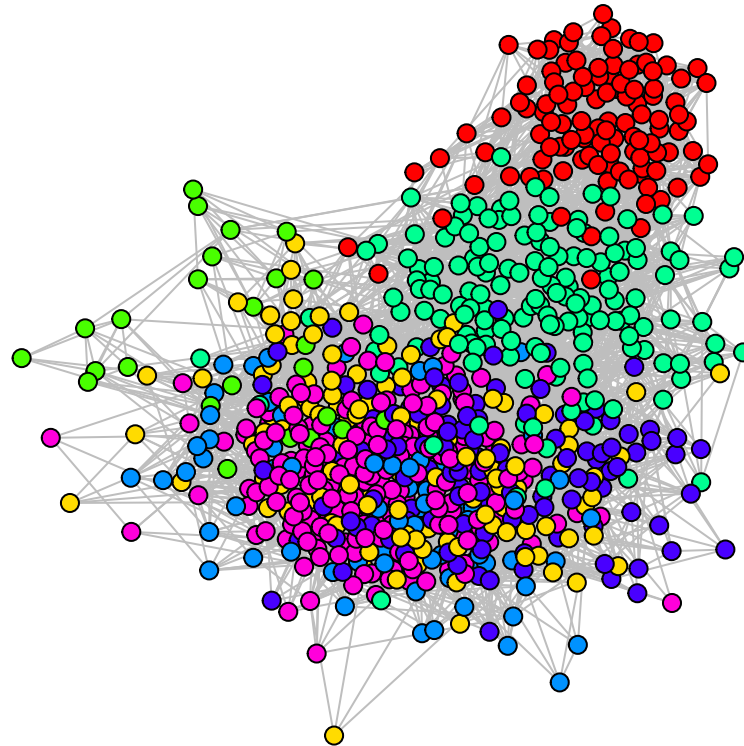
Number of Clusters: 9
Modularity: 0.34

pH 55



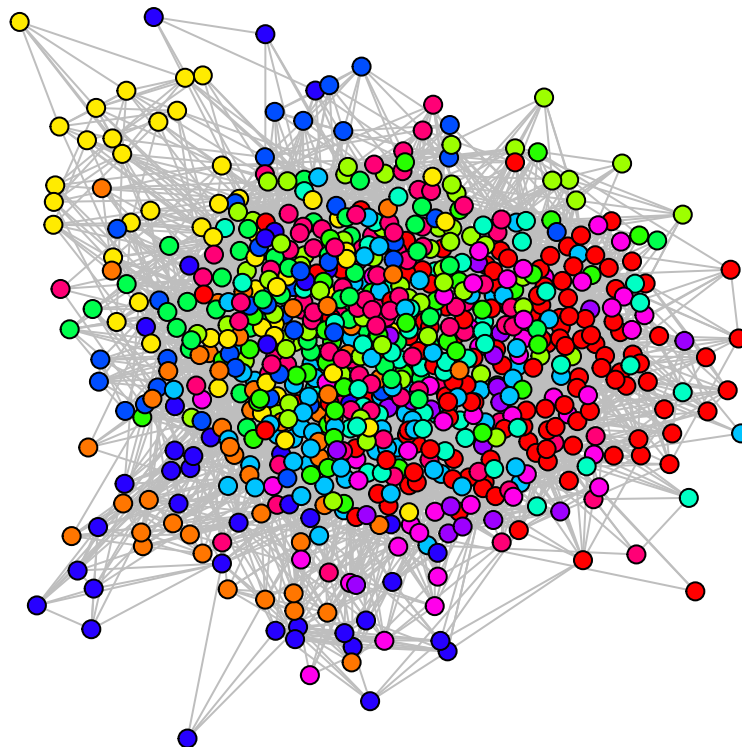
Number of Clusters: 14
Modularity: 0.32

pH 6



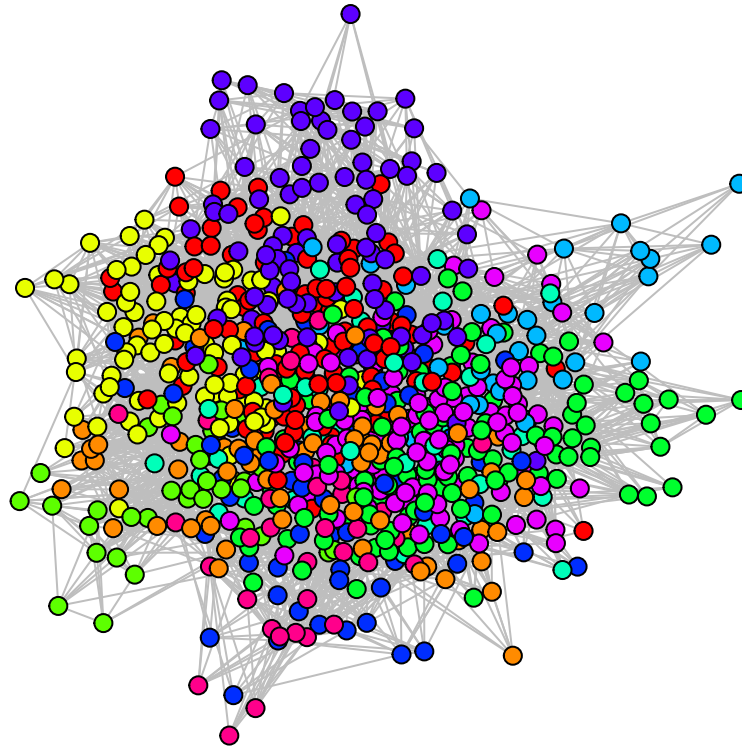
Number of Clusters: 7
Modularity: 0.41

pH 65



Number of Clusters: 13
Modularity: 0.3

pH 7



Number of Clusters: 11
Modularity: 0.33