

Genetic Algorithm Results:

Population (P_n) = 100

Cross Over Factor (P_c) = 0.8

Mutation Factor (P_m) = 0.2

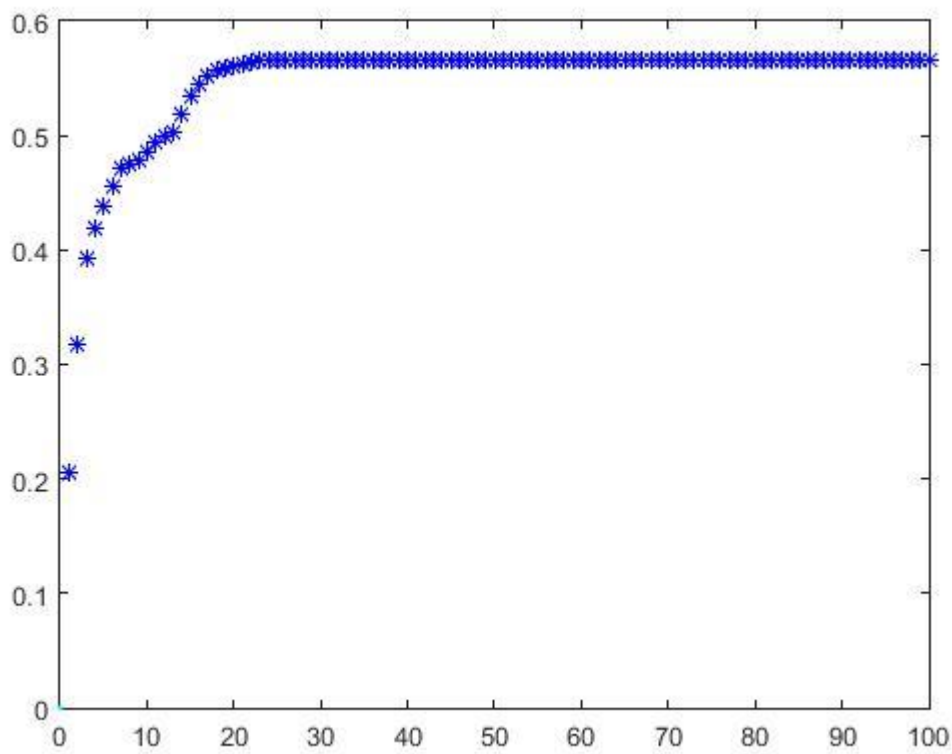
Iteration (N_{max}) = 100

$\alpha = 0.97$

Football Set :: 115 Nodes 441 Edges

Output communities:- 7

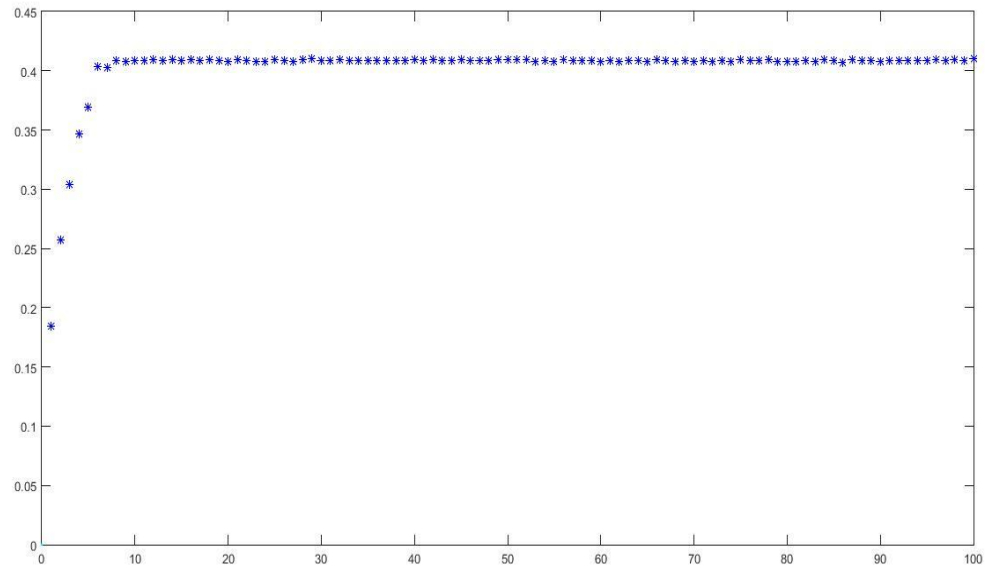
Q value = 0.5695



Karate Club :: 34 Nodes 78 Edges

Output communities:- 4

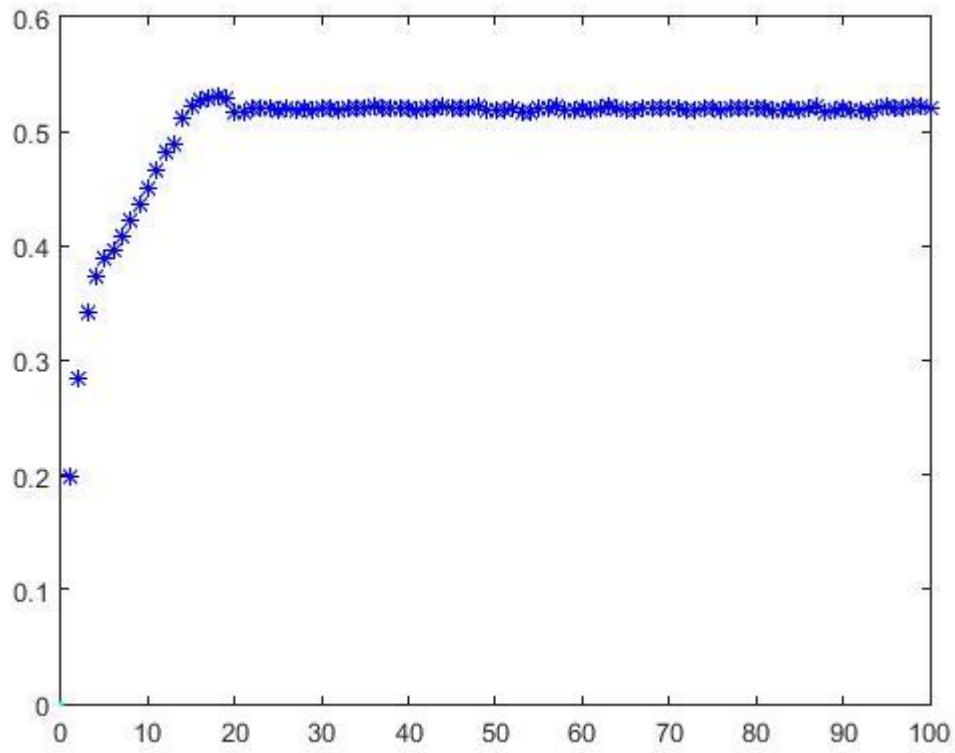
Q value = 0.4092



Dolphin Set :: 62 Nodes 159 Edges

Output communities:- 4

Q value = 0.5342



Strike Set :: 24 Nodes 38 Edges

Output communities:- 4

Q value = 0.6112

