

Symbol	Meaning
V	the set of nodes
E	the set of edges
d_c	the sum of the degrees of nodes in community c
W	the sum of all edge weights
W_{c_i, c_j}	the sum of weights of edges connecting communities c_i and c_j
W_c^{in}	the sum of weights of edges inside community c
W_c^{out}	the sum of weights of edges with one endpoint in community c
W_c	the weight of community c , equal to $2W_c^{in} + W_c^{out}$
C	a partition of the graph, formed by a set of disjoint communities
$\Delta Q_{c_i, c_j}$	the modularity change caused by joining communities c_i and c_j
w_e	the weight of edge e
x_e	the topological feature vector of edge e
$h()$	the loss function