INFORMATION PROCESSING APPARATUS AND PROGRAM

ABSTRACT

An information processing apparatus includes: a network information acquisition unit that acquires network information which includes target nodes and adjacent nodes; a classification ratio calculation unit that calculates a classification ratio, in which the target nodes are respectively classified as a plurality of communities corresponding to a predetermined number in the network information, so as to have correlation according to given resolutions with a classification ratio in which the adjacent nodes are respectively classified as the plurality of communities; a first type community generation unit that generates one or more first type communities; a classification ratio updating unit that updates the classification ratio relevant to the target nodes so as to have correlation with the classification ratio in which the adjacent nodes are respectively classified as the plurality of communities; and a second type community generation unit that generates one or more second type communities.

FIG. 1