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@15# A complete description of a collaboration network, or indeed

any affiliation network, requires us to construct a bipartite

graph or hypergraph of actors and the groups to which they

belong @5,11#. For our present purposes, however, such detailed

representations are not necessary.

@16# One can imagine using a measure of connectedness that

weights authors more or less heavily depending on the order in

which their names appear on a publication. We have not

adopted this approach here, however, since it will probably

discriminate against those authors with names falling toward

the end of the alphabet, who tend to find themselves at the

ends of purely alphabetical author lists.

@17# In the study of affiliation networks it is standard to weight ties

by the number of common groups to which two actors belong

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