

FAIR ALLOCATION METHOD FOR STEINER TREE NETWORKS

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Communications networks are costly to build and so the users of the network must contribute to the development and maintenance of the network. It would be good to allocate costs so that no group of users is asked to contribute more than they did if they were to build a network to meet their own needs. Such an allocation is called group rational. Unfortunately, group rational allocations are not always possible. This paper provides a computationally efficient algorithm for finding a group rational allocation in a special class of network configurations.

