Cost-Sharing Mechanisms for Ride-Sharing

The cost-sharing problem has largely been neglected in the literature. In this webinar, we identify the desirable properties of a good cost-sharing mechanism and propose specific mechanisms for the static scenario where all information for the passengers is known in advance. We also analyze their advantages and disadvantages so that transportation planners can select according to their different needs.

A set of nascent industries focusing on cost-sharing transportation systems has recently emerged. One major impediment for successful implementation of these transportation systems is the determination of the cost-share amount for each participant.

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