

Origin-Destination Matrix Estimation from Traffic Counts

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Origin-destination matrices, which specify the travel demand for all pairs of origin and destination nodes in a traffic network, can be estimated by utilizing link flow observations. We will describe and motivate an optimization model formulation of the generic problem and discuss how it can be handled with respect to an implicit problem, modelling the route choice mechanism. Special attention will be given to the problems occurred by introducing time-dependence to the model.