

Trip matrix estimation of suburb quarters

Michał Beim and Tomasz Kossowski

Adam Mickiewicz University, Poznań, Poland

Abstract

In this paper we made estimation of trip matrix in relations between suburb quarter (Różany Potok), where university campus is located, and city center of Poznań. Estimating trip matrix is important from the point of view of city transport managing, but it is not always possible in direct way (i.e. basis of measuring real traffic). To this end many different mathematical models are used, for example linear or maximum entropy, which also allow for indirect estimation of traffic intensity on parts of street network.

Keywords

Travel demand, Suburbs, Traffic, Trip table, Estimation.

References:

- Bell M.G.H. and Y. Iida (1997). *Transportation Network Analysis*. Chichester: Wiley.
- Wilson A.G. (1967). Entropy maximizing models in theory of trip distribution, mode split and route split. *Journal of Transportation Economic and Policy* 3, 108-126.