Estimation of Alonso’s Theory of Movements for Commuting

William Alonso published his Theory of Movements in 1978. This spatial interaction model describes how flows depend on the spatial positions of the origin and destination regions. In the context of commuting, residential and employment regions interact through accessibility, affecting the whole system of commuting flows. This systemic model is also known as the Transportation Model with Elastic Constraints. This thesis presents a method to estimate the underlying parameters of the model, which are:

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