

Thesis Title	Interregional Commodity Flow Models of Thailand
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Abstract

The objectives of this thesis were to develop the interregional commodity flow models and to analyze a change in interregional commodity flows from the models. The interregional input-output analysis was applied to develop these models. In this thesis, the study area was divided into 4 regions and the industries were classified into 6 sectors and a change in interregional commodity flows was compared between the year 1990 and 1995.

The procedures of this thesis were divided into 3 parts. The first part was to construct the regional input-output tables by a simple location quotient method. The second part was to construct the trade tables using gravity models. This part dealt with interregional freight distribution. Finally, regional impact multipliers were introduced to consider changes in regional economic.

The results indicated that the central region was the most important as a supplier of inputs production throughout the Thai economy. But the south, north, and northeast region had an increasing trend as suppliers of the national economy. These results showed that the economic development was to stimulate lagging regions. The interregional commodity flow models obtained from this thesis can be used as a tool for transportation planning at regional level and can be applied to analyze the economic impact at a regional level as well.

Keywords : Interregional Commodity Flow Models / Interregional Input-Output Analysis / Gravity Models