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Telecommuting and Urban Spatial Structure in Metropolitan Areas

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Abstract

In this paper, we construct a general equilibrium model which uses households and firms distribute over a one-dimensional space including households who commute or telecommute to each firm examine here the configuration of the city becomes total six patterns depending on the values of the transport, communication and telecommuting parameters, and the fixed cost of telecommuting. In our model the location of the city centers are not pre-determined. For telecommuting promotion, as well as cost reduction per distance due to technological innovation, including the reform of the social system, it is also necessary reduction of fixed costs has been confirmed as a solution of the model. JEL classification: R14, R30, L20

Keywords: telecommuting, configuration of the city

Full Paper: <http://www.sk.tsukuba.ac.jp/~ota/papers.html>

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