General Equilibrium Model with Information Asymmetry and Commodity-Information Technologies

Ken Urai* Akihiko Yoshimachi[†] Kohei Shiozawa[‡]

Abstract

In this paper, we investigate a new concept of a market's commodity-information structure (a partition of the set of real goods that are treated as one commodity for market exchanges) and technologies relating to it, commodity-information technologies. Using this concept, we can always affirmatively answer the market viability problem, concerning the existence of general equilibrium even when information asymmetry among agents such as adverse selection prevails in the economy. Some Pareto-optimality problems and policy implications are also discussed.

Keywords: General Equilibrium Model, Asymmetric Information, Adverse Selection, Market Viability Problem, Commodity-information Structure, Commodity-information Technology

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^{*}Graduate School of Economics, Osaka University, Machikaneyama, Toyonaka, Osaka 560-0043, Japan, E-mail: urai@econ.osaka-u.ac.jp

[†]Doshisha University.

 $^{^{\}ddagger}$ Graduate School of Economics, Osaka University, Machikaneyama, Toyonaka, Osaka 560-0043, Japan, E-mail: nge013sk@student.econ.osaka-u.ac.jp