An Informational Efficiency Characterization for Monetary Walrasian Allocations in Economies with Overlapping Generations^{*}

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Abstract

The overlapping generations model with a double infinity of commodities and agents is one of the most fundamental frameworks for introducing outside money into a static economic model. In this model, competitive equilibria may not necessarily be Pareto-optimal. In this paper, based on the replica core equivalence argument for economies with overlapping generations, we characterize the monetary price mechanism as an informationally efficient mechanism from the category-theoretic view point given by Sonnenschein (1974).

KEYWORDS: Informational Efficiency, Monetary Equilibrium, Overlapping Generations Model, Replica Core Equivalence, Universal Mapping Property

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