Money Supply, Asset Prices, and Interest Rates within a General Equilibrium Framework*

Horishi Morita † and Katsumasa Nishide ‡

Yokohama National University

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Abstract. We construct a pure exchange economy model with money supply

to examine the nominal and real interest rate processes. Our model is flexible

enough to give a theoretical explanation on the positive correlation of the

nominal rate and the negative correlation of the real rate with the economic

growth rate in a unified framework. We also present some examples of our

model's applications, ex. shadow rate and Taylor rule.

Keywords: Nominal intrest rate, Real interest rate, Money supply, Shadow

rate, Taylor rule.

JEL classification: E43, E31, E51, G12

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