Endogenous Growth Cycles with Financial Intermediaries and

Entrepreneurial Innovation *

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January 22, 2016

Abstract

This study analyzes how activities of financial intermediaries affects economic fluctuations

in a model of endogenous innovation cycles. I consider an economy where entrepreneurs and fi-

nancial intermediaries engage in their respective innovative activities. Entrepreneurs can invent

new products and raise funds for their invention from financial intermediaries. If their invention

is successful, they can produce the new products. Only the financial intermediaries can eval-

uate the entrepreneurial ideas on their new products. Moreover, they can invest their capital

to improve information about the entrepreneurial ideas and thus meet successful entrepreneurs

with higher probability. I show that when an economy does not accumulate enough capital and

the financial sector expands, that is, the level of financial innovation is excessively high, the

economy is trapped into no entrepreneurial innovation regime. I also show that the economy at

the intermediate stage of financial innovation -neither too high level nor too low level- fluctuates

between the following two regimes; one regime is characterized by no entrepreneurial innovation

and the other is characterized by entrepreneurial innovation.

Keywords: Economic fluctuation, Endogenous growth cycles, Financial innovation

JEL Classification Numbers: E32, G20, O16, O31, O4

*I would like to thank Koichi Futagami, Takuma Kunieda, Hirokazu Ishise, Yoshiyasu Ono, Tatsuro

Iwaisako, Shingo Ishiguro, Katsuya Takii, Kazuyoshi Ohki, Koji Asano, Lunch time seminar participants at

Osaka University and participants at Workshop on Economic Growth Analysis and Evaluation of Science

Technology and Innovation Policies in Shonan Village center for their helpful comments and suggestions.

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