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Feng Guo, J.Huston McCulloch

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# Heterogeneous Capital and Misintermediation

Feng Guo<sup>a,\*</sup>, J. Huston McCulloch<sup>b</sup>

<sup>a</sup>*Chinese Academy of Finance and Development, Central University of Finance and Economics*

<sup>b</sup>*Department of Economics, The Ohio State University*

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## Abstract

A perennial problem of financial markets is that of maturity mismatch, or *misintermediation*, a situation in which financial intermediaries fund long-term, illiquid loans with short-term liabilities. A previous theory concludes that misintermediation is responsible for business cycles and yields the procyclical behavior of surprises in real interest rates. This paper proposes a finite horizon structural model with the introduction of heterogeneous capital to formalize and develop that theory. An extended model with labor as well as a “harvesting” technology further investigates the impact of misintermediation on real factor prices. The model implied relationship between unanticipated changes in real interest rates and real outputs over time is examined in a subsequent empirical study, which provides preliminary evidence in line with the hypothesis of misintermediation.

*JEL classification:* B53; C22; E32; E43; G01

*Keywords:* Misintermediation, Heterogeneous Capital, Term Structure of Interest Rates, Austrian Business Cycle Theory

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## 1. Introduction

The 2007-08 global financial crisis (GFC) and the subsequent world-wide economic downturn have raised questions about the stability of financial systems. This is particularly true for the U.S. where the markets for mortgages, mortgage-backed securities (MBSs), and credit default swaps (CDSs) are widely perceived to be at the root of the financial turmoil (Gorton, 2009). Although government sponsored entities (GSEs) and broker-dealer intermediaries

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\*Corresponding author. Tel: +86 10 6228 8675. Address: 39 South College Road, Haidian, Beijing 100081, China.

*Email addresses:* guofengkevin@cufe.edu.cn (Feng Guo), mcculloch.2@osu.edu (J. Huston McCulloch)

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