Workshop

Evolution and Market Behavior in Economics and Finance

October 2–3, 2009 Scuola Superiore Sant'Anna, Pisa – Italy

See Sec.

Scientific organizers

Giulio Bottazzi (Scuola Superiore Sart/Anna, Pina) Pietro Dindo (Scuola Superiore Sart/Anna, Pina) Stefano Maemi (Scuola Normale Superiore, Pina)

Topics

Evolutionary models of markets Evolutionary finance Bounded rationality and heterogeneity in markets Evolutionary foundations of economics

Speakers and participants include

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Evolution and Market Behavior*

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In a conventional asset market model we study the evolutionary process generated by scalah hows between investors's howpmotic behaviors of our model in complexity determined by the messarios' expected growth rates at scalah abars, and more fit needs asset with the expense of the least fits. Using this current we examine the long rate behavior of asset process and the common before that the market selects for inclusal success. We find that fit realistic selections that the attraction of the selection of the selection of the selection of the rational and stream least one of the selection of the selection of the selection of the least number 1000, 1000, 1 vito Montees no. In the common before the selection of the

1. INTRODUCTION

In this paper we delineate in a conventional asset market model the evolutionary processes which determine the long run behavior of the market. Evolutionary ideas such as natural selection and adaptive behavior have a long history in economic analysis. Two streams of literature have had a significant impact on contemporary economic thought. First are those writings on economic dynamics that hinge on the success or failure of risk-taking entrepreneurs. This view of economic progress is recognizable in both Knight [22] and Schumpeter [27]. A part of this literature are the writings of Alchian [1], of Friedman [17] in his famous essay "On the Methodology of Positive Economics," and of other writers in the early 1950s who attempt to explain why procedural rationality has predictive power. Their answer is an appeal to natural selection which we call the "market selection hypothesis," Market forces favor the survival of economic actors whose decisions are most nearly optimal. According to Friedman [17, p. 21], "... firms behave as if they were seeking to maximize their expected returns ..." He reasons [17, p. 22] that "unless the behavior

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9

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Evoluzione e dinamica economica un convegno al Sant'Anna



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