

Accepted Manuscript

Mean field limit of a behavioral financial market model

Torsten Trimborn, Martin Frank, Stephan Martin

PII: S0378-4371(18)30398-4
DOI: <https://doi.org/10.1016/j.physa.2018.03.079>
Reference: PHYSYA 19413

To appear in: *Physica A*

Received date: 7 November 2017
Revised date: 10 March 2018

Please cite this article as: T. Trimborn, M. Frank, S. Martin, Mean field limit of a behavioral financial market model, *Physica A* (2018), <https://doi.org/10.1016/j.physa.2018.03.079>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Highlights:

1. The mean field limit of an agent-based financial market model is derived.
2. The kinetic model reproduces stylized facts and approximates the original model well.
3. Behavioral bias in the investment decision is identified to be the reason for stylized facts.
4. Steady state distributions are characterized and explain the model behavior.

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات