On Wednesday 11 November 05:00-22:00 GMT, we'll be making some site updates on Taylor & Francis Online. You'll still be able to search, browse and read our articles, where access rights already apply. Registration, purchasing, activation of tokens, eprints and other features of Your Account will be unavailable during this scheduled work.

Applied Economics Letters ›

Volume 17, 2010 - Issue 13

159 Views | 7 CrossRef citations to date | 0 Altmetric

Original Articles

Order imbalances explain 90% of returns of Nikkei 225 futures

Meng Li, Misao Endo, Shiwei Zuo & Kazuo Kishimoto

Pages 1241-1245 | Published online: 27 Jul 2009

Cite this article https://doi.org/10.1080/00036840902881819

Sample our Economics, Finance, Business & Industry Journals

>> Sign in here to start your access to the latest two volumes for 14 days

Full Article | Figures & data | References | Citations | Metrics

Reprints & Permissions | Read this article | Share

Abstract

This article introduces a new kind of order imbalance – limit order imbalance – in addition to the conventional order imbalance to explain the intraday stock returns. The conventional order imbalance together with our new order imbalance are shown to explain more than 90% of intraday returns of the Nikkei 225 Futures in the Osaka Stock Exchange in Japan. It is also found that a scaling by spreads substantially increases the explanatory power in thinner markets.

Previous article | View issue table of contents | Next article

Acknowledgement

Prof Kazuo Kishimoto is supported by the Statistical Databank Project of the University of Tsukuba.

Related Research Data

The Impact of Trades on Daily Volatility
Source: Review of Financial Studies
Does Volume Provide Information? Evidence from the Irish Stock Market
Source: SSRN Electronic Journal
The interaction between order imbalance and stock price
Source: Pacific-Basin Finance Journal
Testing for linear and nonlinear Granger Causality in the stock price–volume relation: Turkish banking firms' evidence
Source: Applied Financial Economics Letters
Explaining the dynamics of the NIKKEI 225 stock and stock index futures markets by using the SETAR model
Source: Applied Financial Economics Letters
Stock market returns and the temperature effect: new evidence from Europe
Source: Applied Financial Economics Letters
Capital structure and stock prices: additional evidence

Related research

People also read | Recommended articles | Cited by 7

Information for

- Authors
- R&D professionals
- Editors
- Librarians
- Societies

Open access

- Overview
- Open journals
- Open Select
- Dove Medical Press
- F1000Research

Opportunities

- Reprints and e-prints
- Advertising solutions
- Accelerated publication
- Corporate access solutions

Help and information

- Help and contact
- Newsroom
- All journals
- Books

Keep up to date

Register to receive personalised research and resources by email

Sign me up

Copyright © 2026 Informa UK Limited Privacy policy

Cookies Terms & conditions Accessibility

Registered in England & Wales No. 01072954
5 Howick Place | London | SW1P 1WG