《金融市场统计力学》

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前言

The present third edition of the statistical mechanics of financial markets is published only four years after the first edition. the success of the book highlights the interest in a summary of the broad research activities on the application of statistical physics to financial markets. i am very grateful to readers and reviewers for their positive reception and comments. why then prepare a new edition instead of only reprinting and correcting the second edition?The new edition has been significantly expanded, giving it a more prac-tical twist towards banking. the most important extensions are due to my practical experience as a risk manager in the german savings banks' asso-ciation (dsgv): two new chapters on risk management and on the closely related topic of economic and regulatory capital for financial institutions, re-spectively, have been added. the chapter on risk management contains both the basics as well as advanced topics, e.g. coherent risk measures, which have not yet reached the statistical physics community interested in financial mar-kets.

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内容概要

《金融市场统计力学(第3版)》内容简介：The present third edition of the statistical mechanics of financial markets is published only four years after the first edition. the success of the book highlights the interest in a summary of the broad research activities on the application of statistical physics to financial markets. i am very grateful to readers and reviewers for their positive reception and comments. why then prepare a new edition instead of only reprinting and correcting the second edition?

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章节摘录

插图：When attempting to draw parallels between statistical physics and finan-cial markets, an important source of concern is the complexity of humanbehavior which is at the origin of the individual trades. Notice, however, that nowadays a significant fraction of the trading on many markets is performed by computer programs, and no longer by human operators. Furthermore, if we make abstraction of the trading volume, an operator only has the possi-bility to buy or to sell, or to stay out of the market. Parallels to the Ising or Potts models of Statistical Physics resurface!More specifically, take the example of Fig. 1.1. If we subtract out long-term trends, we are left essentially with some kind of random walk. In other words, the evolution of the DAX index looks like a random walk to which is superposed a slow drift. This idea is also illustrated in the following story taken from the popular book "A Random Walk down Wall Street" by B. G. Malkiel [3], a professor of economics at Princeton. He asked his students to derive a chart from coin tossing.

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精彩短评

1、不错的书~
2、书的内容没问题。但是亚马逊作为一个信誉公司，居然将一本旧书作为新书卖给我！其中有多页有不同人的指纹，还有一页有血迹。明显是别人退货旧书再转卖。很气愤。要求给予解释和道歉。
3、好东西值得阅读，就书籍的文学角度值得阅读！

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