

GUÍA RÁPIDA DE LA PLATAFORMA SCIENTIFIC RESEARCH PUBLISHING (SCIRP)



Scientific Research
An Academic Publisher

Es una de las editoriales de publicaciones de acceso abierto más grandes, actualmente publica más de 200 revistas de acceso abierto, en línea, revisadas por pares que cubren una amplia gama de disciplinas académicas. SCIRP sirve a las comunidades académicas de todo el mundo y contribuye al progreso y la aplicación de la ciencia con su publicación.

<https://www.scirp.org>

PASOS PARA UTILIZAR LA PLATAFORMA SCIRP

Paso #1

Dirijase a la página principal de la plataforma SCIRP

The screenshot displays the SCIRP website homepage. At the top, there is a navigation bar with links for Home, Articles, Journals, Books, News, About, and Submit. Below this, the page is divided into several sections:

- Scientific Research Publishing**: A banner area featuring journal covers and a brief description of the publisher.
- Recently Published Papers**: A list of articles with titles, authors, and view counts. Examples include:
 - "Healthcare Level Assessment for Risk Crop in Barikun Farm Using GIS, Remote Sensing and Multi Criteria Analysis" by Hidayatun Ningsih, et al.
 - "Multidisciplinary Approach for a Solution to Flood in Sampang District (Tanda-Set, Sampang) Kabupaten Ponorogo" by Hidayatun Ningsih, et al.
 - "Development of Webbing Model Information Remote Monitoring System Based on MEMS" by Haidi Ali, et al.
 - "Vaccination Risk Comparison About the First Case Reported in Lamit (Togo)" by Ningsih Hidayatun, et al.
 - "Comparison of Patient Satisfaction Between Brachial Plexus Block (Axillary Approach) and Central Anesthesia for Surgical Treatment of Distal Radius Fractures: A Historical Cohort Study" by Nurul Hidayatun, et al.
 - "You Don't Get It Back: Sustainable Farmer Support Coupled with Rational Distribution among Urban Market and Inter-Market Regions" by Hidayatun Ningsih, et al.
 - "Influence of the Temperature on Current Efficiency of Lead-Acid Batteries in Various (Waste Acid)" by Hidayatun Ningsih, et al.
 - "Effective Medical Creation (EMC) - A New Approach in Improvement of Patient Management for the Workload of Hospital Waste Environment" by Hidayatun Ningsih, et al.
 - "An Economy-Wide Analysis of Trade Liberalization Impacts on Farm Household Income in Taiwan" by Hidayatun Ningsih, et al.
- Left Sidebar**: Contains sections for "Browse Menu", "Browse Subjects" (listing fields like Agriculture, Business, etc.), "Paper Information", "Why Us?", and "Free SCIRP Newsletters".
- Bottom Section**: A footer area with social media icons, a "Submit" button, and a list of services offered, including "Manuscript Tracking System", "Open Access", and "Publication Ethics".

Paso #2

Seleccione entre los distintos métodos de búsqueda

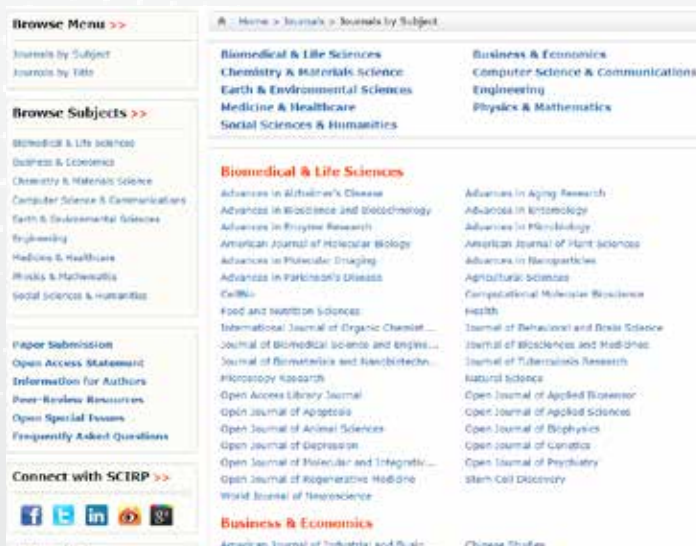
1. Búsqueda básica



Barra de búsqueda principal

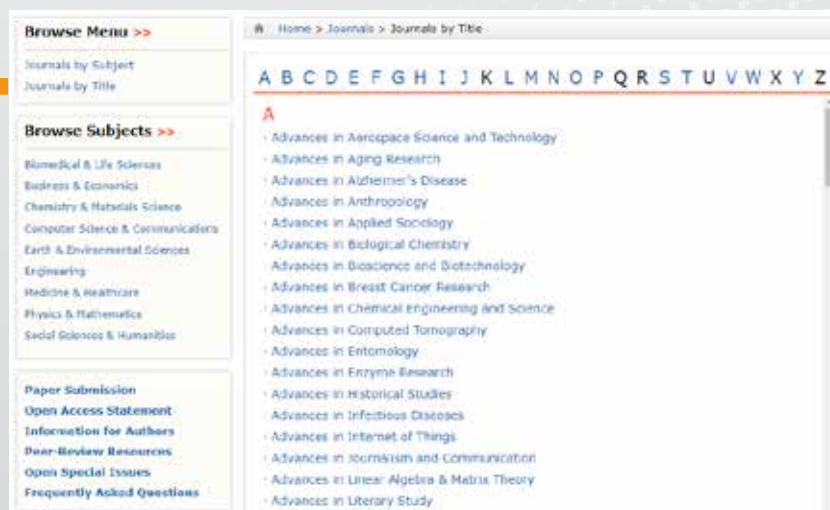
2. Búsqueda de revistas por materia

Revistas por materia



3. Búsqueda de revistas por título

Revistas por título



4. Examinar temas

Browse Subjects >>

- Biomedical & Life Sciences
- Business & Economics
- Chemistry & Materials Science
- Computer Science & Communications
- Earth & Environmental Sciences
- Engineering
- Medicine & Healthcare
- Physics & Mathematics
- Social Sciences & Humanities

Paso #3

Revise el historial del material que buscó por los diferentes tipos de búsquedas

The screenshot shows the Scientific Research website interface. At the top, there is a logo for 'Scientific Research An Academic Publisher' and an 'OPEN ACCESS' badge. A search bar contains the text 'Search Title, Keywords, Author, etc.' with a magnifying glass icon and a 'Login' button. Below the search bar is a navigation menu with links for Home, Articles, Journals, Books, News, About, and Submit. On the left side, there is a 'Browse Menu >>' section with links for 'Journals by Subject' and 'Journals by Title', and a 'Browse Subjects >>' section with a list of subject categories. The main content area shows search results for the keyword 'financial mathematics'. The search criteria are set to 'All' (checked), with options for 'Title', 'Keywords', and 'Abstract'. The search button is labeled 'Search'. The results list includes several articles with titles like 'On the Emergence, Development and Prospect of Financial Mathematics', 'Three Important Applications of Mathematics in Financial Mathematics', 'Financial Internationalization and Financial Security Issues', 'An Econophysics Model of Financial Bubbles', and 'Predicting Financial Contagion and Crisis by Using Jones, Alexander Polynomial and Knot Theory'. Each result includes the author's name, the journal title, volume and issue information, and the date. A callout box with an arrow points to the search input field, containing the text 'Palabra clave utilizada en la búsqueda'. Another callout box on the right side of the results list contains the text 'Lista de resultados'.

Paso #4

Identifique en la búsqueda la barra de filtros

Home > Journals > Articles

All Title Keywords Abstract Author DOI JournalName ISSN Affiliation Subject

financial mathematics

Complete Matching
 Search the information of the editorial board members by name.

Paso #5

Seleccione el artículo de su interés y observe el detalle de este

Home > Journals > Business & Economics > AJIBM

Articles Archive Indexing Aims & Scope Editorial Board For Authors Publication Fees

American Journal of Industrial and Business Management > Vol.7 No.9, September 2017

Three Important Applications of Mathematics in Financial Mathematics

Xiaogang Yang Resumen

Chengdu Normal University, Chengdu, China. A filiación

DOI: 10.4236/ajibm.2017.79077 PDF HTML XML 1.899 Downloads 20.779 Views

Abstract
This paper analyzes the basic connotation of financial mathematics, financial mathematics through research development, control theory, differential game theory and capital asset pricing model from stochastic optimal, and discusses three important applications of mathematics in the financial field.

Keywords
Financial Mathematics, Differential Game Theory, Asset Pricing, Stochastic Optimal Control Theory

Share and Cite: Compartir

Yang, X. (2017) Three Important Applications of Mathematics in Financial Mathematics. *American Journal of Industrial and Business Management*, 7, 1096-1100. doi: 10.4236/ajibm.2017.79077.

1. Introduction

Financial mathematics is the product of applying mathematics to portfolio selection theory and option pricing theory. With the rapid development of the economic situation, the products and derivatives of the financial industry are constantly optimized and innovative, and new financial products and services are gradually increasing. The operation of financial markets, the design and pricing of financial derivatives, and the analysis and management of risk become very important, and the research and development of financial mathematics is becoming more and more important. Therefore, it is of practical significance to analyze the specific application of mathematics in the financial field.

Related Articles >>

- On the Emergence, Development and Prospect of Financial Mathematics
- A History, the Main Mathematical Results and Applications for the Mathematics of Harmony
- Creative Mathematics Education
- The Harmony in Mesoamerican Mathematics
- Analyticity, Truthmaking and Mathematics

Open Special Issues
Published Special Issues
Special Issues Guideline

AJIBM Subscription
E-Mail Alert
AJIBM Most popular papers
Publication Ethics & OA Statement
AJIBM News
Frequently Asked Questions
Recommend to Peers
Recommend to Library

Artículos relacionados

Autor

Identificador del objeto digital

Palabras clave

Referencia bibliográfica

Cuerpo del artículo

Paso #6

Funciones que brinda el artículo cuando lo escoges

1. Descargar

Home > Journals > Business & Economics > AJIBM

Articles Archive Indexing Aims & Scope Editorial Board For Authors Publication Fees

American Journal of Industrial and Busin... > Vol.7 No.9, September 2017

Three Important Applications of Mathematics in Financial Mathematics

Xiaogang Yang
Chengdu Normal University, Chengdu, China.

DOI: 10.4236/ajibm.2017.79077 PDF HTML XML 1.899 Downloads 20.779 Views

Formatos de descarga

2. Compartir

Share and Cite:

Yang, X. (2017). Three Important Applications of Mathematics in Financial Mathematics. *American Journal of Industrial and Business Management*, 7, 1096-1100. doi: 10.4236/ajibm.2017.79077.

1. Introduction

Financial mathematics is a branch of mathematics that applies mathematics to portfolio selection theory and option pricing theory. With the development of the financial industry, the products and derivatives of financial markets are gradually increasing, and the design and pricing of financial products have become more and more important.

- Correo
- Gmail
- Email App
- Pinterest
- LinkedIn
- Favoritos
- Tumblr
- Más... (181)

3. Imprimir

Imprimir 5 Hojas de papel

Destino: WebEx Environment Local

Páginas: Todas

Copias: 1

Clasificación: Vertical

Color: Color

Más ajustes

Imprimir Cancelar

4. Citar

Referencia
bibliográfica

Share and Cite:



Yang, X. (2017) Three Important Applications of Mathematics in Financial Mathematics. *American Journal of Industrial and Business Management*, 7, 1096-1100. doi: [10.4236/ajibm.2017.79077](https://doi.org/10.4236/ajibm.2017.79077).

5. Lectura online

1. Introduction

Financial mathematics is the product of applying mathematics to portfolio selection theory and option pricing theory. With the rapid development of the economic situation, the products and derivatives of the financial industry are constantly optimized and innovative, and new financial products and services are gradually increasing. The operation of financial markets, the design and pricing of financial derivatives, and the analysis and management of risk become very important, and the research and development of financial mathematics is becoming more and more important. Therefore, it is of practical significance to analyze the specific application of mathematics in the financial field.

2. The Basic Connotation of Financial Mathematics

Financial mathematics, also called analytical finance, mathematical finance and mathematical finance, is an interdisciplinary subject of mathematics and finance that arose in the late 1980s and early 90s. Financial mathematics mainly uses the modern mathematical theory and method (such as stochastic analysis, stochastic optimal control, portfolio analysis, nonlinear analysis, multivariate statistical analysis, mathematical programming, modern computational methods etc.) of financial (including banking, investment, bonds, funds, stocks, futures, options and other financial instruments and markets) analysis the number of theory and practice. The core problem is the selection theory of the optimal investment strategy and the asset pricing theory under the uncertain condition. Financial mathematics not only have a direct effect on the innovation of financial instruments and financial markets operate efficiently, but also for the company's investment decision-making and evaluation of project research and development (such as real options) and risk management in financial institutions has been widely used [1].

3. Comentar

0 Comments Scientific Research Publishing Disqus' Privacy Policy Login

Recommend Tweet Share Sort by Best

Start the discussion...

B *I* U

LOG IN WITH OR SIGN UP WITH DISQUS ?

Be the first to comment.

Subscribe Add Disqus to your site Do Not Sell My Data **DISQUS**