

## GUÍA RÁPIDA DE LA PLATAFORMA SCIENTIFIC RESEARCH PUBLISHING (SCIRP)



**Scientific Research**

*An Academic Publisher*

Descripción: 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.

Enlace de uso:

<https://www.scirp.org>

# PASOS PARA UTILIZAR LA PLATAFORMA SCIRP

## Paso #1. Dirijase a la página principal de la plataforma SCIRP

The screenshot shows the SCIRP website homepage. At the top, there is a navigation bar with 'Home', 'Articles', 'Journals', 'Books', 'News', 'About', and 'Submit'. Below this is a 'Browse Menu' section with links to 'Journals by Subject' and 'Browse Subjects'. The 'Browse Subjects' section lists various academic fields such as Biomedical & Life Sciences, Business & Economics, Chemistry & Materials Science, Computer Science & Communications, Earth & Environmental Sciences, Engineering, Health & Healthcare, Physics & Mathematics, and Social Sciences & Humanities. There is also a 'Paper Submission' section with links for 'Open Access Statement', 'Information for Authors', 'Peer-Review Resources', 'Open Special Issues', and 'Frequently Asked Questions'. A 'Why Us?' section highlights features like 'Open Access', 'Peer-reviewed', 'Rapid publication', 'Lifetime hosting', 'Free indexing service', 'Free promotion service', 'Peer Review', and 'Search engine friendly'. The 'Free SCIRP Newsletters' section includes a form to add an email address. The 'Contact Us' section provides contact information for customer support, including an email address (customer@scirp.org), a phone number (+96 1816331462), and a QR code for a WeChat account. The main content area features a 'Scientific Research Publishing' banner with a description of the platform and a 'Recently Published Papers' section listing several articles with their titles, authors, and download/view counts. At the bottom, there is a footer with 'Follow Us' links for social media, a 'Home' link, and a 'Copyright © 2000-2020 Scientific Research Publishing Inc. All Rights Reserved.' notice.

## Paso #2. Seleccione entre los distintos métodos de búsqueda

### 1. Búsqueda básica

The diagram shows the SCIRP website header with the 'Scientific Research An Academic Publisher' logo, the 'OPEN ACCESS' logo, and a search bar containing the text 'Search Title,Keywords,Author,etc.'. To the right of the search bar is a 'Login' button. A large orange arrow points downwards from the search bar to a box labeled 'Barra de búsqueda principal'.

## 2. Búsqueda de revistas por materia

**Revistas por materia**

**Browse Menu >>**

[Journals by Subject](#)  
[Journals by Title](#)

---

**Browse Subjects >>**

[Biomedical & Life Sciences](#)  
[Business & Economics](#)  
[Chemistry & Materials Science](#)  
[Computer Science & Communications](#)  
[Earth & Environmental Sciences](#)  
[Engineering](#)  
[Medicine & Healthcare](#)  
[Physics & Mathematics](#)  
[Social Sciences & Humanities](#)

---

**Paper Submission**  
**Open Access Statement**  
**Information for Authors**  
**Peer-Review Resources**  
**Open Special Issues**  
**Frequently Asked Questions**

---

**Connect with SCIRP >>**

Home > Journals > Journals by Subject

---

**Biomedical & Life Sciences**

**Chemistry & Materials Science**

**Earth & Environmental Sciences**

**Medicine & Healthcare**

**Social Sciences & Humanities**

**Business & Economics**

**Computer Science & Communications**

**Engineering**

**Physics & Mathematics**

---

**Biomedical & Life Sciences**

<ul style="list-style-type: none"> <li><a href="#">Advances in Alzheimer's Disease</a></li> <li><a href="#">Advances in Bioscience and Biotechnology</a></li> <li><a href="#">Advances in Enzyme Research</a></li> <li><a href="#">American Journal of Molecular Biology</a></li> <li><a href="#">Advances in Molecular Imaging</a></li> <li><a href="#">Advances in Parkinson's Disease</a></li> <li><a href="#">CellBio</a></li> <li><a href="#">Food and Nutrition Sciences</a></li> <li><a href="#">International Journal of Organic Chemist...</a></li> <li><a href="#">Journal of Biomedical Science and Engine...</a></li> <li><a href="#">Journal of Biomaterials and Nanobiotechn...</a></li> <li><a href="#">Microscopy Research</a></li> <li><a href="#">Open Access Library Journal</a></li> <li><a href="#">Open Journal of Apoptosis</a></li> <li><a href="#">Open Journal of Animal Sciences</a></li> <li><a href="#">Open Journal of Depression</a></li> <li><a href="#">Open Journal of Molecular and Integrativ...</a></li> <li><a href="#">Open Journal of Regenerative Medicine</a></li> <li><a href="#">World Journal of Neuroscience</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Advances in Aging Research</a></li> <li><a href="#">Advances in Entomology</a></li> <li><a href="#">Advances in Microbiology</a></li> <li><a href="#">American Journal of Plant Sciences</a></li> <li><a href="#">Advances in Nanoparticles</a></li> <li><a href="#">Agricultural Sciences</a></li> <li><a href="#">Computational Molecular Bioscience</a></li> <li><a href="#">Health</a></li> <li><a href="#">Journal of Behavioral and Brain Science</a></li> <li><a href="#">Journal of Biosciences and Medicines</a></li> <li><a href="#">Journal of Tuberculosis Research</a></li> <li><a href="#">Natural Science</a></li> <li><a href="#">Open Journal of Applied Biosensor</a></li> <li><a href="#">Open Journal of Applied Physics</a></li> <li><a href="#">Open Journal of Biophysics</a></li> <li><a href="#">Open Journal of Genetics</a></li> <li><a href="#">Open Journal of Psychiatry</a></li> <li><a href="#">Stem Cell Discovery</a></li> </ul>
---	---

---

**Business & Economics**

<ul style="list-style-type: none"> <li><a href="#">American Journal of Industrial and Busin...</a></li> </ul>	<ul style="list-style-type: none"> <li><a href="#">Chinese Studies</a></li> </ul>
---	---

## 3. Búsqueda de revistas por título

**Revistas por título**

**Browse Menu >>**

[Journals by Subject](#)  
[Journals by Title](#)

---

**Browse Subjects >>**

[Biomedical & Life Sciences](#)  
[Business & Economics](#)  
[Chemistry & Materials Science](#)  
[Computer Science & Communications](#)  
[Earth & Environmental Sciences](#)  
[Engineering](#)  
[Medicine & Healthcare](#)  
[Physics & Mathematics](#)  
[Social Sciences & Humanities](#)

---

**Paper Submission**  
**Open Access Statement**  
**Information for Authors**  
**Peer-Review Resources**  
**Open Special Issues**  
**Frequently Asked Questions**

Home > Journals > Journals by Title

---

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

---

**A**


- [Advances in Aerospace Science and Technology](#)
- [Advances in Aging Research](#)
- [Advances in Alzheimer's Disease](#)
- [Advances in Anthropology](#)
- [Advances in Applied Sociology](#)
- [Advances in Biological Chemistry](#)
- [Advances in Bioscience and Biotechnology](#)
- [Advances in Breast Cancer Research](#)
- [Advances in Chemical Engineering and Science](#)
- [Advances in Computed Tomography](#)
- [Advances in Entomology](#)
- [Advances in Enzyme Research](#)
- [Advances in Historical Studies](#)
- [Advances in Infectious Diseases](#)
- [Advances in Internet of Things](#)
- [Advances in Journalism and Communication](#)
- [Advances in Linear Algebra & Matrix Theory](#)
- [Advances in Literary Study](#)

## 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



**Scientific Research**  
An Academic Publisher

OPEN ACCESS

- Home
- Articles
- Journals
- Books
- News
- About
- Submit

#### Browse Menu >>

- Journals by Subject
- Journals by Title

#### Browse Subjects >>

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

#### Paper Submission

- Open Access Statement
- Information for Authors
- Peer-Review Resources
- Open Special Issues
- Frequently Asked Questions

#### Connect with SCIRP >>

Home > Journals > Articles

All  Title  Keywords  Abstract  Author  DOI  JournalName  ISSN  Affiliation  Subject

financial mathematics

**Palabra clave utilizada en la búsqueda**

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

**On the Emergence, Development and Prospect of Financial Mathematics**  
Xiaogang Yang  
*Modern Economy* Vol.8 No.9, September 25, 2017  
DOI: 10.4236/me.2017.89078 787 Downloads 1.379 Views Citations

**Three Important Applications of Mathematics in Financial Mathematics**  
Xiaogang Yang  
*American Journal of Industrial and Business Management* Vol.7 No.9, September 25, 2017  
DOI: 10.4236/ajibm.2017.79077 1.899 Downloads 20.779 Views

**Financial Internationalization and Financial Security Issues**  
Ruyu Han  
*Open Access Library Journal* Vol.5 No.9, September 13, 2018  
DOI: 10.4236/oalib.1104874 297 Downloads 669 Views Citations

**An Econophysics Model of Financial Bubbles**  
Bodo Herzog  
*Natural Science* Vol.7 No.1, January 29, 2015  
DOI: 10.4236/ns.2015.71006 2.945 Downloads 3.832 Views Citations

**Predicting Financial Contagion and Crisis by Using Jones, Alexander Polynomial and Knot Theory**  
Ognjen Vukovic  
*Journal of Applied Mathematics and Physics* Vol.3 No.9, September 4, 2015  
DOI: 10.4236/jamp.2015.39133 2.238 Downloads 3.252 Views

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

Chengdu Normal University, Chengdu, China.

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:**  


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

Título

Afiliación

Resumen

Compartir

## 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 Business Management > 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

### 2. Compartir

Formatos de descarga

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 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.

### 3. Imprimir

10102020 Three Important Applications of Mathematics in Financial Mathematics

Scientific Research in Academic Publisher OPEN ACCESS Search This Keyword Author(s) Login Submit

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  
Chengdu Normal University, Chengdu, China.

DOI: 10.4236/ajibm.2017.79077 PDF HTML XML 1.899 Downloads 20.783 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:  
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.

2. The Basic Connotation of Financial Mathematics  
Financial mathematics, also called analytical finance, mathematical finance and mathematical economics, 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.

Print 5 hojas de papel

Destino WebEx Document Loa

Páginas Todo

Copias 1

Diseño Vertical

Color Color

Más ajustes

Imprimir Cancelar

## 4. Citar

Share and Cite:



Referencia  
bibliográfica

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.

## 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] .

## 6. Comentar

0 Comments   Scientific Research Publishing   Disqus' Privacy Policy   1 Login -

Recommend   Tweet   Share   Sort by Best -

Start the discussion...

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