



[www.akvypress.com](http://www.akvypress.com) · 142 Kennard Ave · Toronto, Ontario, M3H 4M5, Canada  
Email: [akvypress@yahoo.ca](mailto:akvypress@yahoo.ca)

---

Toronto, Canada, For Immediate Release

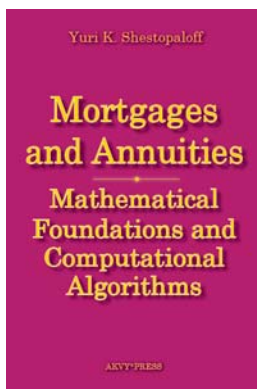
Contact: Tel. 416-631-7293

Email: [akvypress@yahoo.ca](mailto:akvypress@yahoo.ca)

*NEWS RELEASE · NEWS RELEASE*

**BUSINESS AND ECONOMICS. HIGHER EDUCATION. FINANCIAL MATHEMATICS  
TECHNOLOGY – PRODUCERS OF FINANCIAL CALCULATORS, DEVELOPERS OF  
FINANCIAL SYSTEMS**

## **Mortgages and annuities inside out from mathematical and computational perspectives**



Mathematically, mortgages and annuities are not very complicated financial instruments. However, their enormous flexibility, which sometimes causes confusion, requires a deep and coherent understanding of mathematical foundations and subtleties on both sides – the lender and the borrower. Starting from scratch, the book “Mortgages and Annuities: Mathematical Foundations and Computational Algorithms” by Yuri K. Shestopaloff covers the entire subject, packaging of all its complexities into a few well structured concepts. After studying this book, the reader will be able to design new,

custom financial instruments. Lots of numerical examples, problems and exercises, graphs and tables, together with a clear presentation style make this textbook ideal for students and industry professionals.

However, the book does not stop here. It also presents computational algorithms for mortgages and annuities, teaching the reader how to make them work efficiently and reliably in software systems. Current users of such systems can learn how different computational algorithms compare to each other in a production environment. Software developers and system designers will find these chapters an invaluable guide for the creation of robust and high performance financial systems. Many numerical examples, graphs and tables, problems and exercises facilitate the understanding of the theoretical and practical aspects of this interesting subject.

For the first time in the literature, the author considers the implementation of mortgage and annuity related computational algorithms in financial calculators. These devices are very sensitive to the efficiency of such algorithms, and the author explores these and related issues in depth. An important part of this chapter concerns the introduction of several new methods for mortgage related computations, which are especially suited for implementation in financial calculators, given the remarkable performance of these new algorithms. Of course, these algorithms can be used in any system that calculates mortgage or annuity parameters.

***Book presentation and accompanying lecture at Frankfurt Book Fair***

Presentation of this book and accompanying lecture “How financial mathematics influences and shapes our lives” will take place at Education Forum in the Education Pavilion on Wednesday, 14.10.2009, Time 11:15-11:45. Exhibition site 4.2 B1424.

***About the Author.*** Yuri K. Shestopaloff is an expert in the subject. He holds advanced academic degrees, such as the PhD and Doctor of Sciences. He is a Full Professor in the area of developing mathematical methods and computational algorithms in different areas of science and technology. Yuri is the author of five books, over eighty academic articles. His works received awards from financial journals.

***Ordering.*** Starting from the publication date, the book will be available from all major resellers in Europe and America, as well as directly from the publisher AKVY PRESS ([www.akvypress.com](http://www.akvypress.com)).

***Requesting a review copy.*** Interested media representatives can request a free review copy at [akvypress@yahoo.ca](mailto:akvypress@yahoo.ca) beginning September 30, 2009. In your request, please specify where your review is expected to appear.

***About the company.*** AKVY Press is a division of SegmentSoft Inc., a twelve year old consulting company specializing in developing mathematical algorithms for data interpretation and data processing in different areas of science and technology, and the efficient software implementation of computational algorithms.

AKVY Press publishes scientific and educational books. It publishes titles in pure and applied mathematics, financial mathematics, in particular investment performance measurement and risk valuation; mathematical modeling of biological and other natural phenomena, natural philosophy, and physics of elementary particles.

***Contact.*** Valentina, PR. Tel. 1-416-631-7293, [akvypress@yahoo.ca](mailto:akvypress@yahoo.ca)