An Undergraduate Introduction to Financial Mathematics

J. Robert Buchanan
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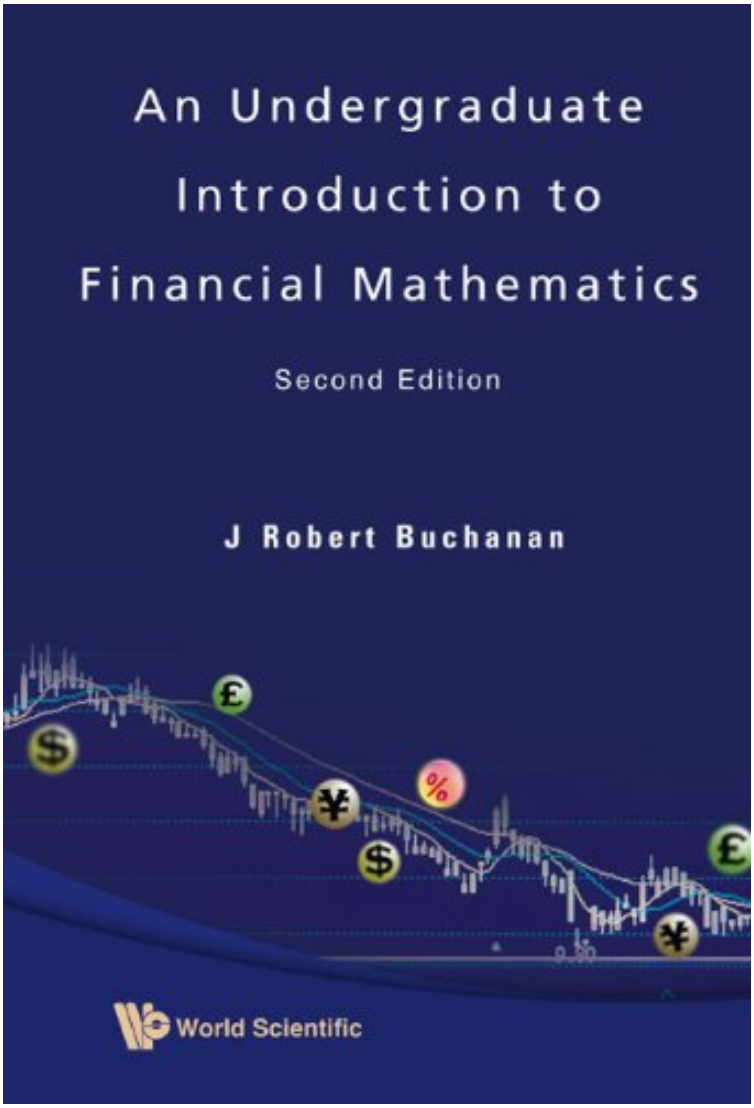

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J. Robert Buchanan : An Undergraduate Introduction to Financial Mathematics before purchasing it in order to gage whether or not it would be worth my time, and all praised An Undergraduate Introduction to Financial Mathematics:

10 of 10 people found the following review helpful. very nice introduction to the financial mathBy CrniHaving good math background, I found this book excellent as an introduction to the financial engineering field. I tried first with Mathematics for Finance: An Introduction to Financial Engineering (Springer Undergraduate Mathematics Series) book - while being very good book in itself, this one was based upon building an intuition for economics side of the story, which didn't worked very well for me. On the other side An Undergraduate Introduction to Financial

Mathematics builds more upon pure math approach, which worked very well for me. But this is definitely not something to scare off readers that are not math inclined - all needed math is derived here, up to the very basic details. Armed with that understanding, I'm at the moment proceeding with Options, Futures, and Other Derivatives with Derivagem CD (7th Edition) (Prentice Hall Series in Finance) for more advanced insight, and so far it is going very well.The other reviewer comment with regard to typos is unfortunately true for the first edition, but at the moment second edition seems to be in preparation (follow the link I provided above), so hopefully this will be fixed soon (and the author was maintaining up-to-data errata list on his page anyway). So - overall I would heartily recommend this book to anyone with solid math background looking for a first book to start getting acquainted with the field.9 of 12 people found the following review helpful. Poorly Written BookBy Steve J. SnyderThis book is rife with typographical and grammatical errors. The content is not terrible, but there are much better books out there if you're looking for an introduction to Financial Mathematics. Mark Joshi's books are far superior.

This textbook provides an introduction to financial mathematics and financial engineering for undergraduate students who have completed a three- or four-semester sequence of calculus courses.It introduces the Theory of Interest, discrete and continuous random variables and probability, stochastic processes, linear programming, the Fundamental Theorem of Finance, option pricing, hedging, and portfolio optimization. The reader progresses from a solid grounding in multi-variable calculus through a derivation of the Blackndash;Scholes equation, its solution, properties, and applications.Contents:The Theory of InterestDiscrete ProbabilityNormal Random Variables and ProbabilityThe Arbitrage TheoremRandom Walks and Brownian MotionForwards and FuturesOptionsSolution of the Blackndash;Scholes EquationDerivatives of Blackndash;Scholes Option PricesHedgingOptimizing PortfoliosAmerican OptionsReadership: Undergraduate students in economics, finance and applied mathematics; professionals in banking, insurance and finance.