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Abstract

The book on mathematics for finance will describe techniques for solving problems of short-term and long-term financial transactions and their applications in financial transactions. Starting from the theory of simple interest then will be given applications and examples that are used to value the money over time. An extensive reference will be made to the discounting of foreign exchange (external and internal) as well as to the economic equivalence of foreign exchange through the models of present and future value. Also, the theory of compound capitalization, interest rate equivalence as well as the linear and exponential valuation condition of final capital value will be presented. Then the theory of present and future value will be given in capital series and finally a study of loans. In all chapters, there will be a series of solved examples of all categories, solved and unsolved exercises with the results of their solutions.