

This textbook provides all tools required to easily solve intertemporal optimization problems in economics, finance, business administration and related disciplines. The focus of this textbook is on "learning through examples": an example is worked out first and the mathematical principles are explained later. It gives a very quick access to all methods required by a Bachelor, Master or a PhD student, and an experienced researcher who wants to explore new fields or confirm existing knowledge. Given that discrete and continuous time problems are given equal attention, insights gained in one area can be used to learn solution methods more quickly in other contexts. This step-by-step approach is especially useful for the transition from deterministic to stochastic worlds. When it comes to stochastic methods in continuous time, the applied focus of this book is the most useful. Formulating and solving problems under continuous time uncertainty has never been explained in such a non-technical and highly accessible way. The book is completed by an extensive index which helps finding topics of interest very quickly.

This book has been available online freely for many years now. I received very many emails from students with a lot of positive feedback. This was maybe the biggest reward for my work. Many thanks to those who sent this! I take the liberty here to share excerpts of some of these emails.

It is a really nice book. Thanks a lot for making it publicly available ...

I would like to express my thanks for your textbook in Applied Intertemporal Optimization. I really needed such a book for my research work

Thank you so much for the very good book written on optimization methods. I found it extremely useful, more so than other optimization books I encountered. Your book has helped me significantly in my studies. I just wanted to share my appreciation ...

I wish to congratulate you on the quality of your work and thank you for your generosity in sharing it with the scientific community



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Applied Intertemporal Optimization



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