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**Economics : Econometrics**

Voß, Stefan, Woodruff, David L., Universität Hamburg Dept. Wirtschaftswissenschaften, Hamburg, Germany

# Introduction to Computational Optimization Models for Production Planning in a Supply Chain

- Provides an easy-to-follow introduction to the use of optimization techniques in production planning
- Introduces sophisticated models for supply chain management
- Includes a chapter presenting implementation of examples in popular modeling languages
- This new edition is updated, and provides extensions

provide models that could be used by do-it-yourselfers and also can be used to provide understanding of the background issues so that one can do a better job of working with the (proprietary) algorithms of the software vendors. In this book we strive to provide models that capture many of the - tails faced by firms operating in a modern supply chain, but we stop short of proposing models for economic analysis of the entire multi-player chain. In other words, we produce models that are useful for planning within a supply chain rather than models for planning the supply chain. The usefulness of the models is enhanced greatly by the fact that they have been implemented - ing computer modeling languages. Implementations are shown in Chapter 7, which allows solutions to be found using a computer. A reasonable question is: why write the book now? It is a combination of opportunities that have recently become available. The availability of modeling languages and computer software that provides the opportunity to make practical use of the models that we develop. Meanwhile, software companies are providing software for optimized production planning in a supply chain.

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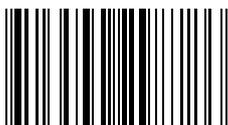
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