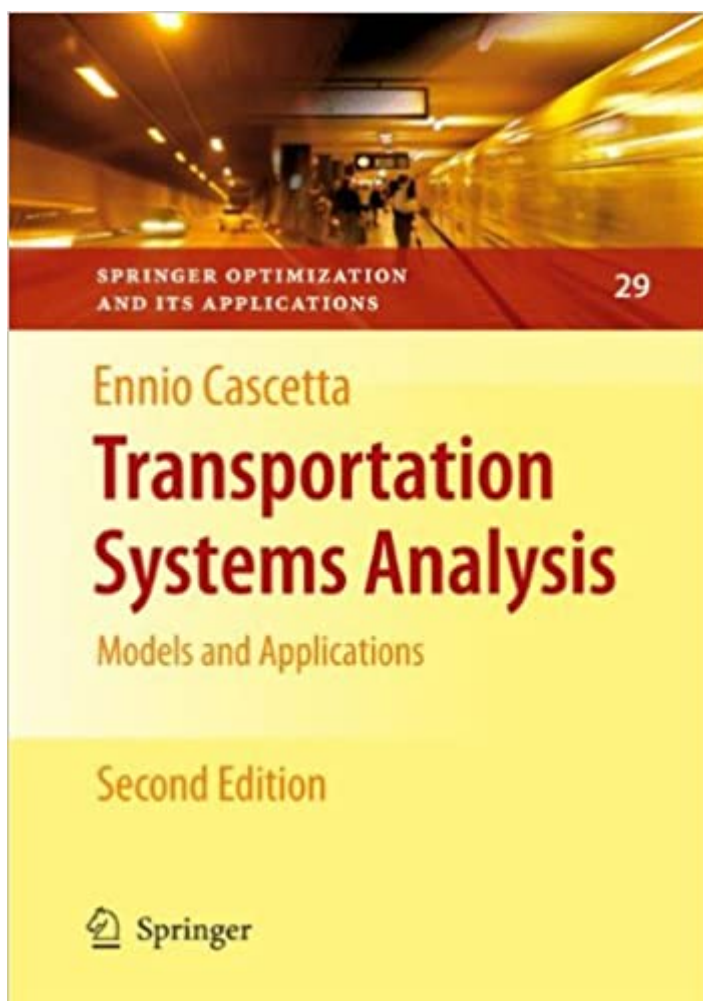The book was found

Transportation Systems Analysis: Models And Applications (Springer Optimization And Its Applications)

Synopsis

"This book provides a rigorous and comprehensive coverage of transportation models and planning methods and is a must-have to anyone in the transportation community, including students, teachers, and practitioners." Moshe Ben-Akiva, Massachusetts Institute of Technology.

Book Information

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This book provides a comprehensive and systematic presentation of the mathematical models for the simulation of transportation systems and the methodologies for the analysis and design of these systems. Theoretical and operational aspects are presented in a rigorous and exhaustive framework, addressing a broad range of applications performed by researchers and practitioners. Topics are presented with an increasing level of detail and complexity.In this 2nd edition the author extends and generalizes the contents of the previous edition entitled "Transportation Systems Engineering: Theory and Methods" published in 2001. In addition to entirely new material dealing with the recent developments in the field, the text has been revised to simplify the presentation. The Bibliography has also been expanded significantly. All the topics are presented with simple numerical examples as well as with references to real-life applications.The material is structured so as to offer different levels of complexity and different reading paths based on the readerÃ¢â ¬â„¢s needs. It is suitable for graduate level courses on transportation analysis and planning. Prerequisites include a basic knowledge of calculus, optimization techniques, probability theory and statistics. Due to the breadth and depth of topics covered, the book will also serve as an excellent

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