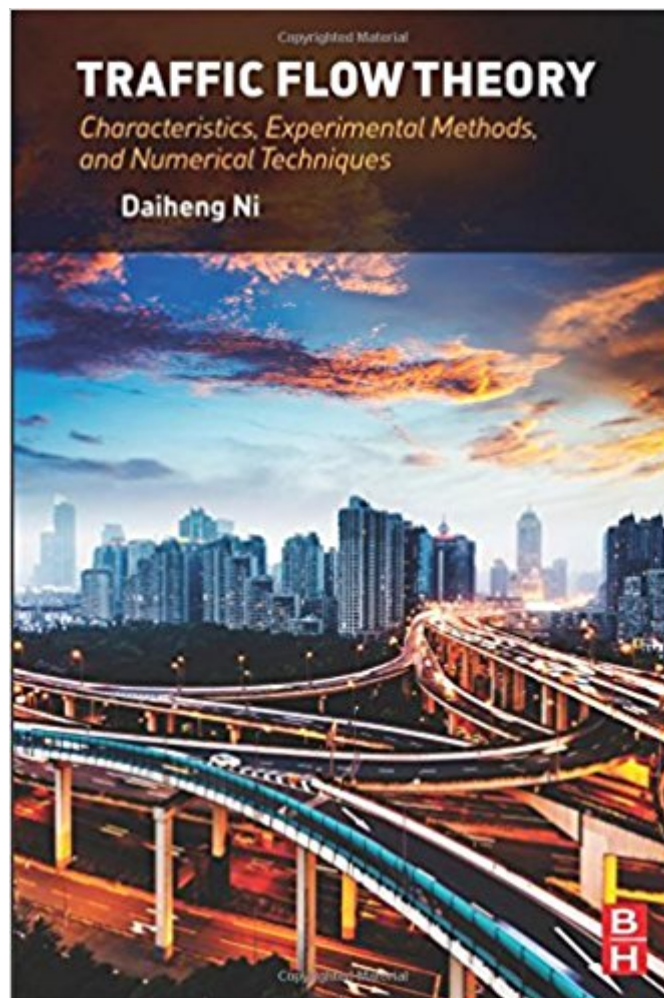


The book was found

# Traffic Flow Theory: Characteristics, Experimental Methods, And Numerical Techniques



## Synopsis

Creating Traffic Models is a challenging task because some of their interactions and system components are difficult to adequately express in a mathematical form. Traffic Flow Theory: Characteristics, Experimental Methods, and Numerical Techniques provide traffic engineers with the necessary methods and techniques for mathematically representing traffic flow. The book begins with a rigorous but easy to understand exposition of traffic flow characteristics including Intelligent Transportation Systems (ITS) and traffic sensing technologies. Includes worked out examples and cases to illustrate concepts, models, and theories Provides modeling and analytical procedures for supporting different aspects of traffic analyses for supporting different flow models Carefully explains the dynamics of traffic flow over time and space

## Book Information

Paperback: 412 pages

Publisher: Butterworth-Heinemann; 1 edition (November 5, 2015)

Language: English

ISBN-10: 012804134X

ISBN-13: 978-0128041345

Product Dimensions: 6 x 0.9 x 9 inches

Shipping Weight: 12.6 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #910,307 in Books (See Top 100 in Books) #73 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Highway & Traffic #211 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Transportation #5722 in Books > Textbooks > Engineering

## Customer Reviews

Concise and readable, Traffic Flow Theory: Characteristics, Experimental Methods and Numerical Techniques incorporates the most current developments in traffic flow modeling techniques for mathematically expressing flow characteristics. The book begins with a rigorous but easy to understand exposition of traffic flow characteristics including Intelligent Transportation Systems (ITS) and traffic sensing technologies. This is followed by self-contained chapters involving traffic flow modeling on a macroscopic, microscopic and picoscopic level. The book's objective is to establish a theoretical foundation for traffic modeling and simulation at multiple scales, seamlessly within a single system.

University of Massachusetts - Amherst, Associate Professor, Department of Civil and Environmental Engineering

[Download to continue reading...](#)

Traffic Flow Theory: Characteristics, Experimental Methods, and Numerical Techniques  
Experimental Structural Dynamics: An Introduction to Experimental Methods of Characterizing Vibrating Structures  
Vehicle and Traffic Law of the State of New York (Softcover) (Vehicle and Traffic Law of New York)  
Air Traffic Control Test Prep (Air Traffic Control Test Preparation) Jane's Air Traffic Control 2005-06 (Jane's Air Traffic Control)  
How to Prepare for the Air Traffic Controller Exam (Barron's How to Prepare for the Air Traffic Controller) Jane's Air Traffic Control (Jane's Air Traffic Control)  
Teleoperation: Numerical Simulation and Experimental Validation (Eurocourses: Computer and Information Science)  
Stochastic Models, Information Theory, and Lie Groups, Volume 1: Classical Results and Geometric Methods (Applied and Numerical Harmonic Analysis)  
Stochastic Models, Information Theory, and Lie Groups, Volume 2: Analytic Methods and Modern Applications (Applied and Numerical Harmonic Analysis)  
Experimental and Quasi-Experimental Designs for Generalized Causal Inference  
Light Scattering, Size Exclusion Chromatography and Asymmetric Flow Field Flow Fractionation: Powerful Tools for the Characterization of Polymers, Proteins and Nanoparticles  
McDonald's Blood Flow in Arteries, Sixth Edition: Theoretical, Experimental and Clinical Principles  
Experimental Psychology (PSY 301 Introduction to Experimental Psychology)  
Manual of Microsurgery on the Laboratory Rat. Part 1: General Information and Experimental Techniques (Techniques in the Behavioral and Neural Science, 4) (Pt.1)  
11+ Maths and Numerical Reasoning: Eureka! Challenging Exam Questions with full step-by-step methods, tips and tricks (Eureka! Challenging Maths and ... Questions for the Modern 11+ Exam) (Volume 3)  
Biological Modeling and Simulation: A Survey of Practical Models, Algorithms, and Numerical Methods (Computational Molecular Biology)  
Numerical Methods for Engineers and Scientists  
An Introduction to Programming and Numerical Methods in MATLAB  
Numerical Methods for Unconstrained Optimization and Nonlinear Equations (Classics in Applied Mathematics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

