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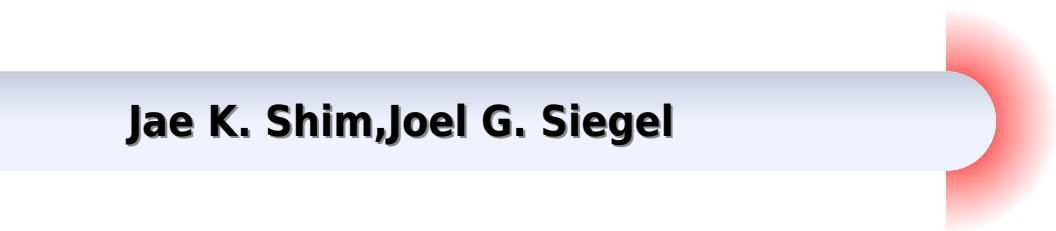


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explanation models and Salmon's three conceptions the epistemic modal and ontic conception the book suggests that laws are essential to explanation and that our understanding of laws will help solve the problems of the latter Concerning the nature of laws this book tackles both the problems of regularity approach and necessitarian approach It also proposes that the ontological order of explanation should be from events or processes to causation then to regularity laws and finally to science system but the epistemological order should be from science system to laws to explanation and causation In addition this book examines the legitimacy of ceteris paribus laws the connection between explanation and reduction the relation between explanation and interpretation and some other issues closely related to explanation laws causation This book will attract scholars and students of philosophy of science natural sciences social sciences etc *DNA of Mathematics* Dr. Mehran Basti, 2014-11-20 For Dr Basti the explanation is straightforward though not simple Just as cells have dna so mathematics has DNA in its structure After years of research he decided that his work had to contain a strong philosophical justification in order to stand the test of time Part memoir and part manifesto DNA of Mathematics introduces Mehran Basti's readers to both the research he has dedicated his career to and his personal background and beliefs which significantly impact his scientific work *Fluid Mechanics and Hydraulics* Vedat Batu, 2024-05-27 Fluid Mechanics and Hydraulics Illustrative Worked Examples of Surface and Subsurface Flows presents the basic principles of fluid mechanics through the use of numerous worked examples Some readers may have interest only in the application parts of various principles without paying too much attention to the derivation details of equations Other readers may have interest both in derivation details and their applications As a result this book is designed to address both needs and most derivation details are included as example problems Therefore those who are not interested in the details of derivations may skip them without interrupting the effective use of the book It serves as an effective learning source for college students and as a teaching tool for instructors with an included solutions manual as well as for practicing professionals in the areas of fluid mechanics and hydraulics *Rotating Fluids in Engineering and Science* J P Vanyo, 2015-09-02 Approx 440 pages Schaum's Outline of Theory and Problems of Mathematics of Finance Frank Ayres, 1963 Schaum's Outline of Theory and Problems of Operations Management Joseph G. Monks, 1985 **Schaum's Outline of Theory and Problems of International Economics** Dominick Salvatore, 1990 A complete introduction to physics for science and engineering students The text simplifies complicated theory and explains how to solve simple and complex problems in physics **Schaum's Outline of Theory and Problems of Quantum Mechanics** Yoav Peleg, Reuven Pnini, Elyahu Zaarur, 1998 Mathematical background The schr dinger equation and its applications The foundation of quantum mechanics Harmonic oscillator Angular momentum SPIN Hydrogen like atoms Particle motion in an electromagnetic field Solution methods in quantum mechanics Numerical methods in quantum mechanics Identical particles Addition of angular momenta Scattering theory Semiclassical treatment of radiation

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