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The automotive market is being transformed by the introduction of electric vehicles ... Great Wall Motors has launched a three-in-one combo system based on our CV25AQ for drive recording, drive ...

The authors use a linear graph approach which contrasts with the bond graph approach or the no graph approach

The book blends readability and accessibility common to undergraduate control systems texts with the mathematical rigor necessary to form a solid theoretical foundation. Appendices cover linear algebra and provide a Matlab overview and files. The reviewers pointed out that this is an ambitious project but one that will pay off because of the lack of good up-to-date textbooks in the area.

Comprehensive in scope and readable, this book explores the methods used by engineers to analyze and predict the mechanical

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behavior of materials. Author Norman E. Dowling provides thorough coverage of materials testing and practical methods for forecasting the strength and life of mechanical parts and structural members.

Cities have always played a prominent role in the prosperity of civilization. Indeed, every great civilization we can think of is associated with the prominence of one or more thriving cities. And so understanding cities -- their inhabitants, their institutions, their infrastructure -- what they are and how they work independently and together -- is of fundamental importance to our collective growth as a human civilization. Furthermore, the 21st century “ smart ” city, as a result global climate change and large-scale urbanization, will emerge as a societal grand challenge. This book focuses on the role of interdependent infrastructure systems in such smart cities especially as it relates to timely and poignant questions about resilience and sustainability. In particular, the goal of this book is to present, in one volume, a consistent Hetero-Functional Graph Theoretic (HFGT) treatment of interdependent smart city infrastructures as an overarching application domain of engineering systems. This work may be contrasted to the growing literature on multi-layer networks, which despite significant theoretical advances in recent years, has modeling limitations that prevent their real-world application to interdependent smart city infrastructures of arbitrary topology. In contrast, this book demonstrates that HFGT can be applied extensively to an arbitrary number of arbitrarily connected topologies of interdependent smart city infrastructures. It also integrates, for the first time, all six matrices of HFGT in a single system adjacency matrix. The book makes every effort to be accessible to a broad audience of infrastructure system practitioners and researchers (e.g. electric power system planners, transportation engineers, and hydrologists, etc.). Consequently, the book has extensively visualized the graph theoretic concepts for greater intuition and clarity. Nevertheless, the book does require a common

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methodological base of its readers and directs itself to the Model-Based Systems Engineering (MBSE) community and the Network Science Community (NSC). To the MBSE community, we hope that HFGT will be accepted as a quantification of many of the structural concepts found in model-based systems engineering languages like SysML. To the NSC, we hope to present a new view as how to construct graphs with fundamentally different meaning and insight. Finally, it is our hope that HFGT serves to overcome many of the theoretical and modeling limitations that have hindered our ability to systematically understand the structure and function of smart cities.

For everyone who 's ever dreamed of simplifying their life and downsizing their home, Micro Living offers an insider 's look at what tiny house living is really like. Best-selling author and tiny house enthusiast Derek “ Deek ” Diedricksen profiles 40 tiny — but practical — houses that are equipped for full-time living, all in 400 square feet or less. Detailed photography and a floor plan for each structure highlight inventive space-saving design features along with the nuts-and-bolts details of heating, cooling, electric, and plumbing systems. The real-life stories of residents impart the pleasures, as well as the challenges, of day-to-day living. With tips on what to consider before you build, along with framing plans for a prototype small cabin, Micro Living is the perfect starter handbook for both dreamers and doers. This publication conforms to the EPUB Accessibility specification at WCAG 2.0 Level AA.

In Simon Gikandi 's view, Caribbean literature and postcolonial literature more generally negotiate an uneasy relationship with the concepts of modernism and modernity—a relationship in which the

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Caribbean writer, unable to escape a history encoded by Europe, accepts the challenge of rewriting it. Drawing on contemporary deconstructionist theory, Gikandi looks at how such Caribbean writers as George Lamming, Samuel Selvon, Alejo Carpentier, C. L. R. James, Paule Marshall, Merle Hodge, Zee Edgell, and Michelle Cliff have attempted to confront European modernism.

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