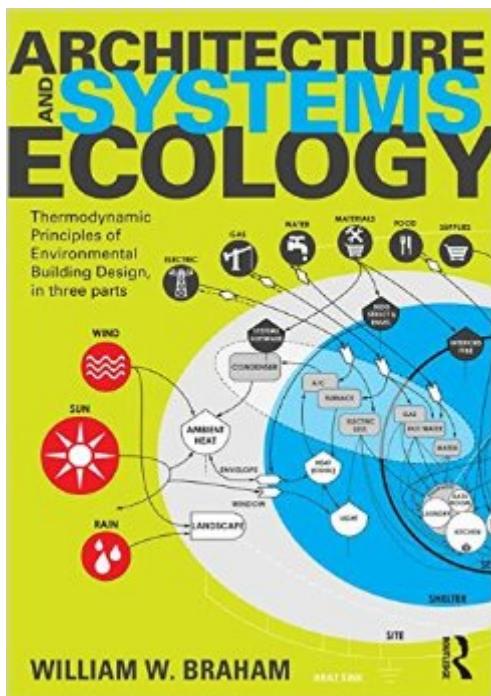


The book was found

Architecture And Systems Ecology: Thermodynamic Principles Of Environmental Building Design, In Three Parts



Synopsis

Modern buildings are both wasteful machines that can be made more efficient and instruments of the massive, metropolitan system engendered by the power of high-quality fuels. A comprehensive method of environmental design must reconcile the techniques of efficient building design with the radical urban and economic reorganization that we face. Over the coming century, we will be challenged to return to the renewable resource base of the eighteenth-century city with the knowledge, technologies, and expectations of the twenty-first-century metropolis. This book explores the architectural implications of systems ecology, which extends the principles of thermodynamics from the nineteenth-century focus on more efficient machinery to the contemporary concern with the resilient self-organization of ecosystems. Written with enough technical material to explain the methods, it does not include in-text equations or calculations, relying instead on the energy system diagrams to convey the argument. *Architecture and Systems Ecology* has minimal technical jargon and an emphasis on intelligible design conclusions, making it suitable for architecture students and professionals who are engaged with the fundamental issues faced by sustainable design. The energy systems language provides a holistic context for the many kinds of performance already evaluated in architecture—from energy use to material selection and even the choice of building style. It establishes the foundation for environmental principles of design that embrace the full complexity of our current situation. Architecture succeeds best when it helps shape, accommodate, and represent new ways of living together.

Book Information

Paperback: 276 pages

Publisher: Routledge; 2016 edition (August 16, 2015)

Language: English

ISBN-10: 1138846074

ISBN-13: 978-1138846074

Product Dimensions: 6.8 x 0.5 x 9.6 inches

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

Average Customer Review: Be the first to review this item

Best Sellers Rank: #552,017 in Books (See Top 100 in Books) #49 in Books > Crafts, Hobbies & Home > Home Improvement & Design > Energy Efficiency #143 in Books > Engineering & Transportation > Engineering > Reference > Architecture > Study & Teaching #232 in Books > Arts & Photography > Architecture > Sustainability & Green Design

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

Architecture and Systems Ecology: Thermodynamic Principles of Environmental Building Design, in three parts Freshwater Ecology, Second Edition: Concepts and Environmental Applications of Limnology (Aquatic Ecology) Jet Propulsion: A Simple Guide to the Aerodynamics and Thermodynamic Design and Performance of Jet Engines Appropriate: The Houses Of Joseph Esherick (Environmental Design Archives at the University of California, Berkeley Series) (Environmental Design Archives ... University of California, Berkeley Series Digitalk PARTS Workbench for Win32 - 32-Bit Parts Assembly and Reuse Tool Set - User's Guide - Win32 Series Version 3.0 PARTS Workbench for Win32 - 32-Bit Parts Assembly and Reuse Tool Set - Reference (Win32 Series Version 3.0) Digitalk PARTS Workbench for Win32 - 32-Bit Parts Assembly and Reuse Tool Set - Script Language Guide - Win32 Series Version 3.0 Selling Auto Parts: Make Thousands of Dollars Monthly With eBay's Untapped Niche: Reselling Auto Parts and Making a Full-Time Income Time's Arrow: The Origins of Thermodynamic Behavior (Dover Books on Physics) Landscape Ecology Principles in Landscape Architecture and Land-Use Planning Jainism and Ecology: Nonviolence in the Web of Life (Religions of the World and Ecology) Biology and Ecology of Earthworms (Biology & Ecology of Earthworms) Saltmarsh Ecology (Cambridge Studies in Ecology) Ecology & Liberation; A New Paradigm (Ecology & Justice Series) Real-Time Systems: Design Principles for Distributed Embedded Applications (Real-Time Systems Series) Ecocriticism and Italy: Ecology, Resistance, and Liberation (Environmental Cultures) Landscape Architecture, Fifth Edition: A Manual of Environmental Planning and Design Making Salmon: An Environmental History of the Northwest Fisheries Crisis (Weyerhaeuser Environmental Books) Living with the Earth, Third Edition: Concepts in Environmental Health Science (Living with the Earth: Concepts in Environmental Health Science) Environmental Ion Exchange: Principles and Design

[Dmca](#)