



structure in art and in science

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Structure In Art And In Science By Kepes Gyorgy Ed

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Structure in Art and in Science. [By Various Authors.] Edited by György Kepes. [With Illustrations.] Gyorgy Kepes, 1965

Architecture and the Sciences Antoine Picon, Alessandra Ponte, 2003-05 Since antiquity the sciences have served as a source of images and metaphors for architecture and have had a direct influence on the shaping of built space In recent years architects have been looking again at science as a source of inspiration in the production of their designs and constructions This volume evaluates the interconnections between the sciences and architecture from both historical and contemporary perspectives Architecture and the Sciences shows how scientific paradigms have migrated to architecture through the appropriation of organic and mechanical models Conversely architecture has provided images for scientific and technological discourse Accordingly this volume investigates the status of the exchanges between the two domains Contents include Alessandra Ponte Desert Testing Martin Bressani Violet le Duc's Optic Georges Teyssot Norm and Type Variations on a Theme Reinhold Martin Organicism's Other Catherine Ingraham Why All These Birds Birds in the Sky Birds in the Hand Antoine Picon Architecture Science Technology and the Virtual Realm and Felicity Scott Encounters with the Face of America

Beautiful Data Orit Halpern, 2015-02-20 Beautiful Data is both a history of big data and interactivity and a sophisticated meditation on ideas about vision and cognition in the second half of the twentieth century Contending that our forms of attention observation and truth are contingent and contested Orit Halpern historicizes the ways that we are trained and train ourselves to observe and analyze the world Tracing the postwar impact of cybernetics and the communication sciences on the social and human sciences design arts and urban planning she finds a radical shift in attitudes toward recording and displaying information These changed attitudes produced what she calls communicative objectivity new forms of observation rationality and economy based on the management and analysis of data Halpern complicates assumptions about the value of data and visualization arguing that changes in how we manage and train perception and define reason and intelligence are also transformations in governmentality She also challenges the paradoxical belief that we are experiencing a crisis of attention caused by digital media a crisis that can be resolved only through intensified media consumption *Italo Calvino's Architecture of Lightness* Letizia Modena, 2011-05-09 This study recovers Italo Calvino's central place in a lost history of interdisciplinary thought politics and literary philosophy in the 1960s Drawing on his letters essays critical reviews and fiction as well as a wide range of works primarily urban planning and design theory and history circulating among his primary interlocutors this book takes as its point of departure a sweeping reinterpretation of Invisible Cities Passages from Calvino's most famous novel routinely appear as aphorisms in calendars posters and the popular literature of inspiration and self help reducing the novel to vague abstractions and totalizing wisdom about thinking outside the box The shadow of postmodern studies has had a similarly diminishing effect on this text rendering up an accomplished but ultimately apolitical novelistic experimentation in endless deconstructive deferrals the shiny surfaces of play and the ultimately rigged game of

self referentiality In contrast this study draws on an archive of untranslated Italian and French language materials on urban planning architecture and utopian architecture to argue that Calvino s novel in fact introduces readers to the material history of urban renewal in Italy France and the U S in the 1960s as well as the multidisciplinary core of cultural life in that decade the complex and continuous interplay among novelists and architects scientists and artists literary historians and visual studies scholars His last love poem for the dying city was in fact profoundly engaged deeply committed to the ethical dimensions of both architecture and lived experience in the spaces of modernity as well as the resistant practices of reading and utopian imagining that his urban studies in turn inspired

Catalogue of the Library of the Graduate School of Design, Harvard University Harvard University. Graduate School of Design. Library,1968 Structure in art and in science Gyorgy Kepes(ed),1965 *The Publishers' Trade List Annual ,1973* **Information Arts** Stephen

Wilson,2003-02-28 An introduction to the work and ideas of artists who use and even influence science and technology A new breed of contemporary artist engages science and technology not just to adopt the vocabulary and gizmos but to explore and comment on the content agendas and possibilities Indeed proposes Stephen Wilson the role of the artist is not only to interpret and to spread scientific knowledge but to be an active partner in determining the direction of research Years ago C P Snow wrote about the two cultures of science and the humanities these developments may finally help to change the outlook of those who view science and technology as separate from the general culture In this rich compendium Wilson offers the first comprehensive survey of international artists who incorporate concepts and research from mathematics the physical sciences biology kinetics telecommunications and experimental digital systems such as artificial intelligence and ubiquitous computing In addition to visual documentation and statements by the artists Wilson examines relevant art theoretical writings and explores emerging scientific and technological research likely to be culturally significant in the future He also provides lists of resources including organizations publications conferences museums research centers and Web sites

Light: The Shape of Space Lou Michel,1995-10-27 Light The Shape of Space Designing with Space and Light Lou Michel Every design professional who touches a space shapes the light and the feeling of that space Architect lighting engineer interior designer lighting or home furnishing manufacturer each contributes an aesthetic layer sometimes yielding unexpected results All too often the best laid plans of one professional are unintentionally subverted by another Removing surprises and guess work from design Lou Michel honored architectural lighting educator has created Light The Shape of Space showing how to design with the effects of light rather than light itself The book is a revolutionary resource for all design professionals and manufacturers of surfacing materials Drawing on over fifteen years experience of research and teaching in the architectural Space and Light Laboratory at The University of Kansas Michel masterfully examines the interrelationship of lighting and the design of architectural space as perceived not in architectural photos or paint chips and fabric swatches but by human vision the gateway to emotional response The book was written for professionals who care

about how people feel in the spaces they design and focuses on the humanization of architecture Taking a non stylistic approach to design Michel analyzes architecture from the perspective of how the users see their surroundings as they move through space The reader will learn what pleases and what disturbs people based on how the human visual system responds to color texture pattern and brightness The book features principles of design for the student and professional and is generously supported by illustrations and research Michel also provides a method for evaluating the visual effectiveness of building materials and lighting systems including those that will appear on the market long after this book is dog eared Michel unveils a groundbreaking luminance brightness rating system LBR and a nine zone brightness scale to aid designers in previsualizing the appearance of surfacing materials at every stage of the design process from schematics to development to refinement Among the topics treated are the interaction of lighting and spatial design color theory for space and light the luminance relationships between free standing objects and the surrounding spatial boundaries against which they are seen the appearance of building materials in color and brightness when modified by light and spatial location lighting spatial connections including the perception of rooms adjacent to the observer lighting and perception of spaces screened by architectural grilles creating lighted space Designing with the effects of light is both an art and a science No other book on the market bridges that gap as successfully as *Light The Shape of Space* [Dictionary Catalog of the Research Libraries of the New York Public Library, 1911-1971](#) New York Public Library. Research Libraries,1979 *The Design of Building Structures* Wolfgang Schueller,1996 Rather than relying on separate literature in the fields of structural engineering architecture construction and history this text presents the field of structures holistically in terms of building and architecture Buildings are studied from all points of view geometrical aesthetic historical functional environmental and construction providing the broadest treatment of structures available Descriptive analytical and graphical treatment of topics are presented with nearly equal emphasis Numerous case studies throughout exemplify structural concepts and develop a feeling for structure and form instead of supporting specific architectural styles or structural acrobatics Teaching in the context of building structure and form i e low rise high rise long span etc allows students to understand structures on real not abstract mathematical terms Structural systems i e frames arches space frames soft shells etc and how they aid in making space and enhancing the formal presentation of a structure are discussed in detail Chapter 3 deals with approximate design methods for steel wood reinforced concrete and prestressed concrete according to the **Choice** Julia Johnson,1976

A Bibliography of Design in Britain, 1851-1970 Anthony J. Coulson,Design Council,1979 [Catalog of the Avery Memorial Architectural Library of Columbia University: Vand - Zz](#) Avery Library,1968 [National Union Catalog ,1968](#) **Design for You** Ethel Jane Beitler,Bill Lockhart,1984 [The National union catalog, 1968-1972 ,1973 Catalogue](#) Tavistock Institute of Human Relations. Joint Library,1975 [Encyclopedia of World Problems and Human Potential](#) Union of International Associations,1994 The destruction of wildlife habitats organized crime AIDS illiteracy acid

rain these are among the 130 000 topics documented and discussed in the new edition of the Encyclopedia But its truly unique goal is to present this complex set of issues in ways that facilitate an organized response To this end the book also focuses on the complex relationship between problems and society s own ideological relationship with these problems How do human priorities and perceptions aggravate or enable problems What are the established and alternative responses The Encyclopedia contains over 158 000 cross references between entries an extensive 91 000 practical key term index bibliographies and full cross referencing to the Yearbook of International Organizations For anyone concerned with the world community here are the means to explore and participate in today s most crucial endeavors Volume 2 Human Potential Transformation and Values contains 7 700 entries reflecting a spectrum of problem solving approaches based on such human development issues as self learning creativity and modes of awareness The volume also focuses on specific religious beliefs value systems and thought patterns *Science, Technology, and Public Policy: Books, monographs, Government documents, and whole issues of journals* Lynton Keith Caldwell,1968

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Table of Contents Structure In Art And In Science By Kepes Gyorgy Ed

1. Understanding the eBook Structure In Art And In Science By Kepes Gyorgy Ed
 - The Rise of Digital Reading Structure In Art And In Science By Kepes Gyorgy Ed
 - Advantages of eBooks Over Traditional Books
2. Identifying Structure In Art And In Science By Kepes Gyorgy Ed
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Structure In Art And In Science By Kepes Gyorgy Ed
 - User-Friendly Interface
4. Exploring eBook Recommendations from Structure In Art And In Science By Kepes Gyorgy Ed

- Personalized Recommendations
- Structure In Art And In Science By Kepes Gyorgy Ed User Reviews and Ratings
- Structure In Art And In Science By Kepes Gyorgy Ed and Bestseller Lists

5. Accessing Structure In Art And In Science By Kepes Gyorgy Ed Free and Paid eBooks
 - Structure In Art And In Science By Kepes Gyorgy Ed Public Domain eBooks
 - Structure In Art And In Science By Kepes Gyorgy Ed eBook Subscription Services
 - Structure In Art And In Science By Kepes Gyorgy Ed Budget-Friendly Options
6. Navigating Structure In Art And In Science By Kepes Gyorgy Ed eBook Formats
 - ePUB, PDF, MOBI, and More
 - Structure In Art And In Science By Kepes Gyorgy Ed Compatibility with Devices
 - Structure In Art And In Science By Kepes Gyorgy Ed Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Structure In Art And In Science By Kepes Gyorgy Ed
 - Highlighting and Note-Taking Structure In Art And In Science By Kepes Gyorgy Ed
 - Interactive Elements Structure In Art And In Science By Kepes Gyorgy Ed
8. Staying Engaged with Structure In Art And In Science By Kepes Gyorgy Ed
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Structure In Art And In Science By Kepes Gyorgy Ed
9. Balancing eBooks and Physical Books Structure In Art And In Science By Kepes Gyorgy Ed
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Structure In Art And In Science By Kepes Gyorgy Ed
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Structure In Art And In Science By Kepes Gyorgy Ed
 - Setting Reading Goals Structure In Art And In Science By Kepes Gyorgy Ed
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Structure In Art And In Science By Kepes Gyorgy Ed

- Fact-Checking eBook Content of Structure In Art And In Science By Kepes Gyorgy Ed
- Distinguishing Credible Sources

13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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