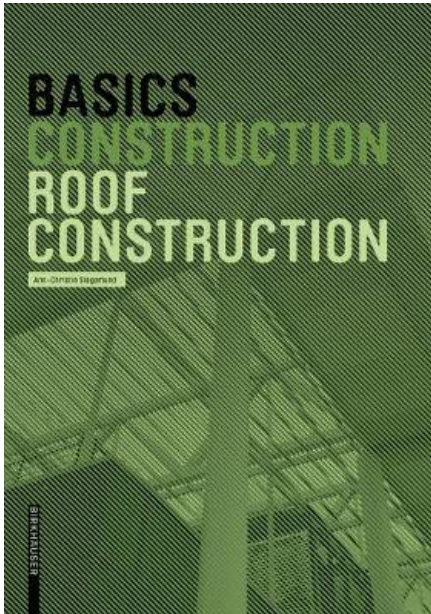


BIRKHÄUSER



Basics Roof Construction. New Edition

Bert Bielefeld

A roof over one's head is a basic need—it provides shelter from rain, wind and the cold. In addition to these requirements, the structure must be load bearing and stable. Out of traditional craftsmanship, roof shapes and typologies have developed that fulfill these tasks and endure to this day.

Basics Roof Construction describes the different kinds of roofs and which advantages and disadvantages each of them has. It explains which tasks are performed by the structural elements and layers and how to account for these in planning construction. The objective is to provide students with the principles, properties and technical terms of construction so that they can implement this knowledge in concrete design plans: from building, to insulation and sealing, all the way to the basics of drainage.

Editor: BIRKHÄUSER. 2020. Rústica. 15,5x22 cm. Páginas: 80. Idioma: Inglés.. PVP \$17.99 USD. ISBN: 9783035619423



iheartblob – Augmented Architectural Objects

A New Visual Language

Edited by: ioA Institute of Architecture

With contributions of: Kutan Ayata, Gerald Bast, Fredrik Hellberg, Lara Lesmes, Greg Lynn, Andrew Witt and Michael Young

iheartblob avails itself of a new visual vocabulary of architecture. Here designs are visualized not in the form of ground plans and sections. Instead, renderings, mixed-reality objects (which are depicted physically and in augmented reality) and animations are the media which reflect the legacy of the mathematician Lagrange.

Visually, but also on the basis of short theoretical texts, the book facilitates new discussions about the contemporary theoretical and cultural framework – and thus also about the “crisis of philosophy” faced not only by architecture. While the theoretical framework here invokes the principles of object-oriented ontology, in a subsequent step it attempts to unravel the theoretical principles of postmodernity and poststructural formalism.

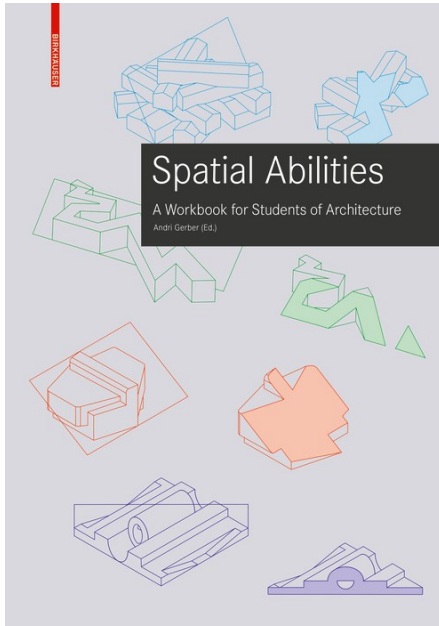
Editor: BIRKHÄUSER. 2020. . 24x17 cm. Páginas: 272. Idioma: Inglés. Ilustraciones en color. Rustica PVP:€ \$34.99. ISBN: 978-3-0356-1872-3

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Training Spatial Abilities : A Workbook for Students of Architecture

Andri Gerber (Edited by)

It has been shown that spatial perception can be improved through practice. Opportunities to offer such practice are offered in this workbook, which was tested by nearly one thousand architecture students before publication, and emerged from an academic study funded by the Swiss National Science Foundation, conducted jointly by the Zurich University of Applied Sciences (ZHAW) and the ETH Zurich.

The book contains 75 exercises that work with architectural elements but can be mastered without prior knowledge, plus a section with solutions and explanatory texts by experts from theory and practice by M. Berkowitz, D. Dietz, B. Emo, A. Gerber, Chr. Hölscher, P. Holgate, St. Kurath, C. Leopold, D. Schulz, Th. & N. Shipley, E. Stern, D. Uttal.

Editor: BIRKHÄUSER. 2020. Rústica. 21x29,7 cm. Páginas: 160. Idioma: Inglés.. PVP \$34,99 USD. ISBN: 9783035620436



The Architecture Machine : The Role of Computers in Architecture

Teresa Fankhänel (Edited by), Andres Lepik (Edited by)

Today, it is hard to imagine the everyday work in an architectural practice without computers. Bits and bytes play an important role in the design and presentation of architecture. The book, which is published in the context of an exhibition of the same name of the Architekturmuseum der TUM at the Pinakothek der Moderne in Munich (October 14, 2020 to January 10, 2021), for the first time considers – in depth – the development of the digital in architecture.

In four chapters, it recounts this intriguing history from its beginnings in the 1950s through to today and presents the computer as a drawing machine, as a design tool, as a medium for telling stories, and as an interactive communication platform. The basic underlying question is simple: Has the computer changed architecture? And if so, by how much?

Editor: BIRKHÄUSER. 2020. . 21x28 cm. Páginas: 248. Idioma: Inglés. Ilustraciones en color. TAPA DURA PVP:€ 45,99. ISBN: 9783035621549

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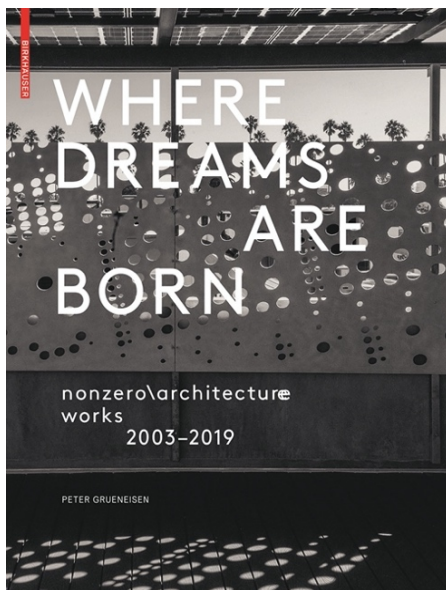


The Property Issue (Arch+): Politics of Space and Data

ARCH+ (Edited by), Anh-Linh Ngo (Edited by), Arno Brandlhuber

"Who owns the land?" is a central question because space is a resource as vital as air and water. Today, however, data ownership has become just as relevant as the question of land ownership in the context of urban planning. Technology companies are entering the field of architecture with algorithm-driven planning methods and massive investments in infrastructures and smart cities. In their technocratic vision, citizens become users, architecture becomes an instrument of statistics, and concepts such as the city and society become mere "algorithmic assemblages." This issue, co-edited by ARCH+, Arno Brandlhuber, and Olaf Grawert of station+/ETH Zurich, discusses the politics of space and data; the real and virtual assets of the city of the future.

Editor: BIRKHÄUSER. 2020. Rústica. Páginas: 240. Idioma: Inglés.. PVP \$29,99 USD. ISBN: 9783035621068



Where Dreams Are Born

Peter Grueneisen (Edited by)

studio bau:ton, the practice founded by Swiss architect Peter Grüneisen, designs buildings rooted in the sphere of imagination and creativity. The practice's main clients are in the music and film production industry in Los Angeles, for whom it designs private houses and work spaces. The focus is on the combination of high-tech entertainment design with glamorous, exclusive architecture.

On the occasion of its 30th anniversary, the Los Angeles-based architectural practice *nonzero\architecture* is publishing the second monograph. The book includes conversations with well known clients including Hans Zimmer, David Lynch, Bruce Botnik, and Paul Lieberstein. The completed projects include residences, mixed residential/work spaces, through to recording studios and public buildings.

Editor: BIRKHÄUSER. 2020. . 22x28 cm. Páginas: 224. Idioma: Inglés. Ilustraciones en color. Tapa dura
PVP: USD 68,99. ISBN: 9783035621693

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