Material Strategies in Digital Fabrication

Christopher Beorkrem
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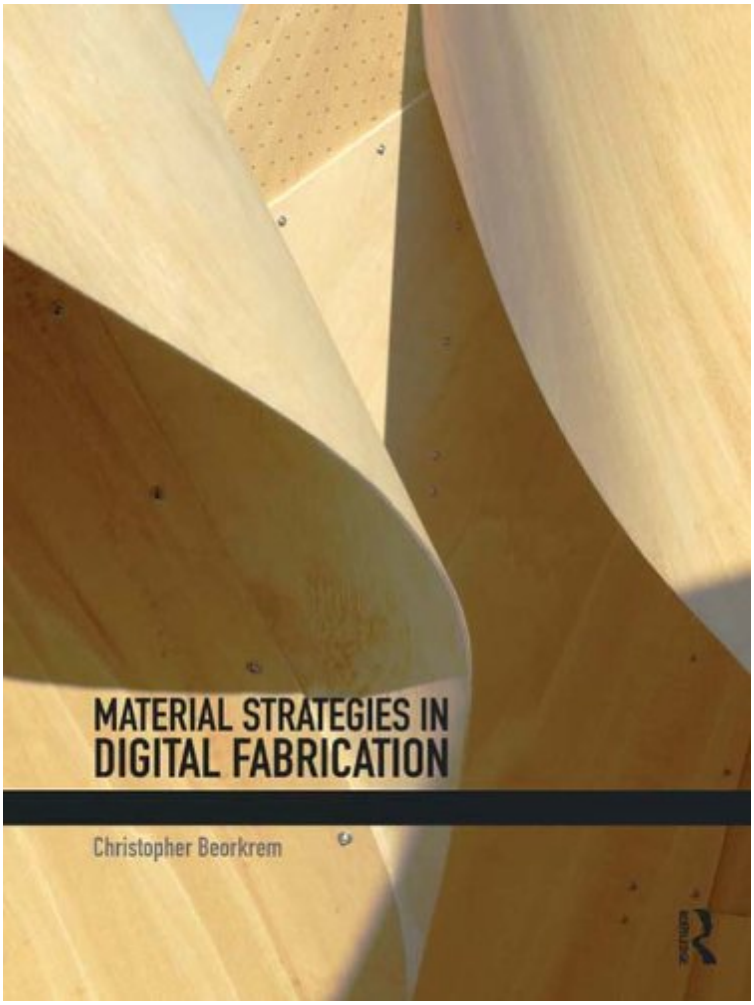

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Christopher Beorkrem : Material Strategies in Digital Fabrication before purchasing it in order to gage whether or not it would be worth my time, and all praised Material Strategies in Digital Fabrication:

2 of 2 people found the following review helpful. great examples through the lens of material useBy Charlotte Styerwell written. great examples. appropriate sense of computer use within design process (using it as a tool and not a "designer" itself)0 of 0 people found the following review helpful. Five StarsBy Jeremy VinyVery good, helpful if you already use 3D modeling software0 of 0 people found the following review helpful. Four StarsBy Alejandro VZgood compilation of digital fabrication examples

Author Christopher Beorkrem shows how material performance drives the digital fabrication process and determines technique. He has recreated and dissected thirty-six of the most progressive works of architecture of the last few years, with perspectives from the designers so that you can learn from the successes and failures of each project. Including

step-by-step diagrams and using consistent language and the simplest construction techniques, he identifies the important characteristics of each material, including connection types, relative costs, deformation, color, texture, finish, dimensional properties, durability, and weathering and waterproofing to link the design outcomes to form. The book is divided into five parts by material ndash; wood, metal, concrete, hybrids, and recycled ndash; to help you reference construction techniques for the fabrication machines you have on-hand.

"Beorkremrsquo;s new book brings together what an inquisitive mind desires ndash; an unravelling of the complexities and contradictions found in the built form. In each carefully selected case study, he systematically picks apart the design intentions, toolsrsquo;capabilities and material limitations, and reveals the real invention and experimentation behind the photogenic work. This book introduces a different mode of formal analysis that acknowledges a new form of design intelligence. It succeeds in demystifying the problems of complex forms, and makes a renewed attempt in connecting architects deeply with the tools that are increasingly available in fabrication plants around the world." H. Koon Wee, director of SKEW Collaborative and assistant professor, faculty of architecture, University of Hong KongAbout the AuthorChristopher Beorkrem is Assistant Professor of Architecture at the University of North Carolina, Charlotte.