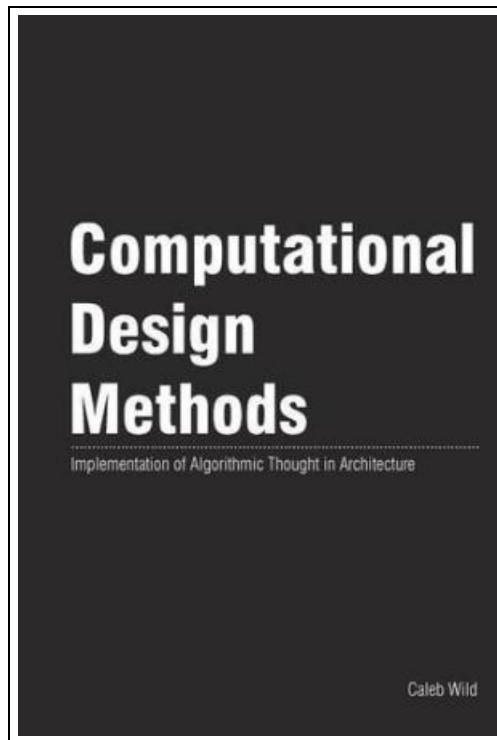# Computational Design Methods

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Reviews

This ebook is wonderful. Of course, it really is perform, nevertheless an interesting and amazing literature. Its been printed in an extremely straightforward way and it is simply after i finished reading this ebook where in fact changed me, modify the way i believe.
(Prof. Maxwell Stracke)

COMPUTATIONAL DESIGN METHODS

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Blurb, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Despite all of the technical advancements in generative design computing, there are many questions concerning the method by which computer generated forms should be designed and the meaning behind their shapes. While the seemingly endless possibilities of digital tools have allowed for the fluid patterning and manipulation of surfaces to become an icon of parametricism, they often fail to provide any deeper meaning or correlation between the formal and functional aspects of a building. There is often a lack of depth or significance behind the flashy images of assumed intricacy these algorithms produce-falling far short of their rich potential to engage with the real problems, processes, and functions of today. By exemplifying how to acquire and use data to inform design decisions, this book aims to shift complexity from the product to the process. Only then can we see the trend of computational design root itself in purpose and meaning and begin to engage with real issues. Focusing primarily on the use of algorithms to generate form, this manual includes instructions to access an online library of six different ready-to-go Grasshopper definitions (as well as videos and a digital copy of the book) that are set-up as a series of fast and easy form-finding techniques that can impact your work from the earliest stages of design. The minute you find out you have a project at a given location, within a determined site, of a specific square footage, you can begin this process. It is simply a matter of plugging in fixed, tangible information to run analyses that help you make informed design decisions. As a result, this manual will guide you step-by-step through both the technical and...

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