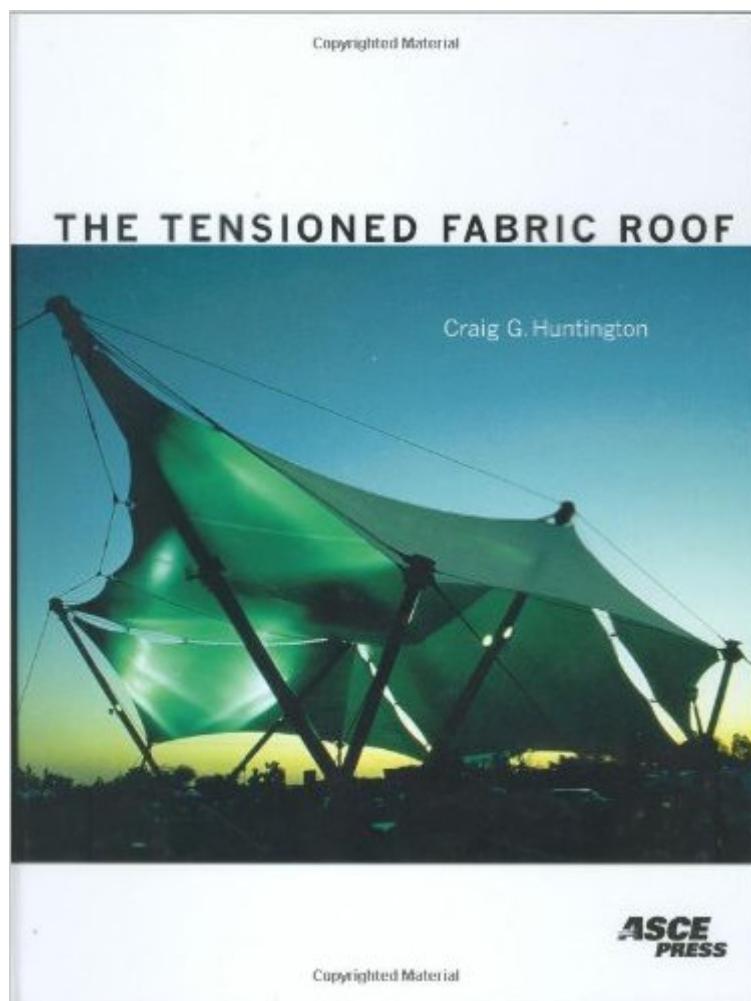


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# The Tensioned Fabric Roof



## **Synopsis**

"The Tensioned Fabric Roof" describes the state-of-the-art design of fabric tension structures. The fundamentals of a fabric structure's design and construction as required by engineers, contractors, and architects are presented. The book discusses the unusual character of the fabric structure industry and its implications for how structures are marketed, designed, and constructed. Included are chapters on the fundamentals of membrane behavior, the possibilities and limitations in roof form, fabric materials, analytical techniques, structural details, fabrication and erection, and non-structural design parameters that include daylighting, energy use, acoustics, and fire safety. Written by an experienced practitioner of fabric structure design, this book methodically addresses all aspects of the design and construction process. Structural engineers will gain an understanding of shaping, analysis, and design of members and connections; architects will learn the possibilities and limitations in fabric roof form, as well as the means of achieving successful energy, lighting, acoustical, and fire safety performance; and contractors will receive invaluable information related to their fabrication and erection. The book also includes special 24-page color insert.

## **Book Information**

Hardcover: 248 pages

Publisher: Amer Society of Civil Engineers (September 27, 2004)

Language: English

ISBN-10: 0784404283

ISBN-13: 978-0784404287

Product Dimensions: 0.8 x 8.5 x 11 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 starsÂ  See all reviewsÂ  (4 customer reviews)

Best Sellers Rank: #2,992,700 in Books (See Top 100 in Books) #61 inÂ  Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Roofing #1539 inÂ  Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural #2452 inÂ  Books > Textbooks > Engineering > Civil Engineering

## **Customer Reviews**

The title of this book should be "Introduction to fabric roof structures" ..The author addresses in very readable way(very talented writer) main aspects of the design and construction process of tension fabric structures.Unfortunately structural engineers will not gain enough to understand shaping, and will not gain enough about analyzing and calculating forces in fabric roof structures.This book is

addressed mainly to architectural public which can learn the possibilities and limitations of these kind of tension structures, as well as the means of achieving successful energy, lighting, acoustical, and fire safety performance; and contractors will receive valuable information related to their fabrication and erection.

This is "one of the kind" book. You have almost no other choice. It is a book worth your money. Mr. Huntington should be a professor in English with his writing talent. Nonetheless, I personally prefer the straight-to-point writing style in technical books.

A wonderful, educational, easy to read book. Helps with understanding of the historical development, form finding, basic and advanced aspects of design of tensile membrane structures. Unlike some of the other book on the subject is full on insightful and educational graphics, photos and descriptions. Through some of his own and other world-renowned projects, the author allows the reader to grasp the understanding of the engineering and aesthetics of these unique structures.

This is an excellent volume, reviews historical, structural, and artistic angles. Is contemporary in inspiration.

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