Design and Construction of Large Optical Telescopes

Franceschini T. (2013)

This book is a comprehensive source of up-to-date information and new approaches in the design and construction of large optical telescopes. It features contributions from experts in various fields, including astronomers, engineers, physicists, and technicians, providing a multidisciplinary perspective on the challenges and solutions involved in the construction of these massive and intricate instruments.

Design and Construction of Large Optical Telescopes honors the memory of astronomy and physics pioneer Giovanni Schiaparelli. It is a valuable resource for astronomers, engineers, physicists, and technicians working in the field of optical telescopes.

Preface

The book is divided into several sections, each covering a specific aspect of telescope design and construction. The sections include

1. Optical Design: This section covers the theoretical foundations of telescope design, including the principles of wave optics and the use of geometrical optics.
2. Structural Design: This section focuses on the design and construction of the telescope's structure, including the selection of materials and the use of computer-aided design.
3. Electronics and Control Systems: This section covers the design and construction of the electronic components and control systems used in the telescope.
4. Testing and Commissioning: This section covers the testing and commissioning of the telescope, including the alignment and calibration of the optical components.

The book is intended for researchers, engineers, and technicians involved in the design and construction of large optical telescopes. It is also a valuable resource for students and educators in the field of astronomy and physics.

Design and Construction of High-Performance Houses

Francis T. (2013)

Design and Construction of High-Performance Houses is a comprehensive guide to the design and construction of high-performance houses, covering the science and design practices of high-performance architectural designs. The book features contributions from experts in various fields, including architects, engineers, physicists, and technicians, providing a multidisciplinary perspective on the challenges and solutions involved in the construction of these massive and intricate instruments.

Design and Construction of Large Optical Telescopes honors the memory of astronomy and physics pioneer Giovanni Schiaparelli. It is a valuable resource for astronomers, engineers, physicists, and technicians working in the field of optical telescopes.

Preface

The book is divided into several sections, each covering a specific aspect of telescope design and construction. The sections include

1. Optical Design: This section covers the theoretical foundations of telescope design, including the principles of wave optics and the use of geometrical optics.
2. Structural Design: This section focuses on the design and construction of the telescope's structure, including the selection of materials and the use of computer-aided design.
3. Electronics and Control Systems: This section covers the design and construction of the electronic components and control systems used in the telescope.
4. Testing and Commissioning: This section covers the testing and commissioning of the telescope, including the alignment and calibration of the optical components.

The book is intended for researchers, engineers, and technicians involved in the design and construction of large optical telescopes. It is also a valuable resource for students and educators in the field of astronomy and physics.

Design and Construction of Large Optical Telescopes

Franceschini T. (2013)

This book is a comprehensive source of up-to-date information and new approaches in the design and construction of large optical telescopes. It features contributions from experts in various fields, including astronomers, engineers, physicists, and technicians, providing a multidisciplinary perspective on the challenges and solutions involved in the construction of these massive and intricate instruments.

Design and Construction of Large Optical Telescopes honors the memory of astronomy and physics pioneer Giovanni Schiaparelli. It is a valuable resource for astronomers, engineers, physicists, and technicians working in the field of optical telescopes.

Preface

The book is divided into several sections, each covering a specific aspect of telescope design and construction. The sections include

1. Optical Design: This section covers the theoretical foundations of telescope design, including the principles of wave optics and the use of geometrical optics.
2. Structural Design: This section focuses on the design and construction of the telescope's structure, including the selection of materials and the use of computer-aided design.
3. Electronics and Control Systems: This section covers the design and construction of the electronic components and control systems used in the telescope.
4. Testing and Commissioning: This section covers the testing and commissioning of the telescope, including the alignment and calibration of the optical components.

The book is intended for researchers, engineers, and technicians involved in the design and construction of large optical telescopes. It is also a valuable resource for students and educators in the field of astronomy and physics.
Introduction to BIM-based design coordination.

Recent Advances in Analysis, Design, and Construction of Shell & Spatial Structures in the Asia-Pacific Region


Green Globes and international building assessment systems The Living Building Challenge Environmental product declarations (EPDs) as the norm for green building

The classic reference for high-performance green building delivery systems No longer just a buzzword, sustainable construction is going mainstream—and soon will be a necessity. Revised to reflect the latest developments of the U.S. Green Building Council’s Leadership in Energy and Environmental Design (LEED) rating system and

the theory, history, and state of the industry as well as best practices in building procurement and delivery systems. From green building and Green Globes to LEED, Sustainable Construction: Green Building Design and Delivery, Third Edition guides construction and design professionals through the process of creating healthy, sustainable buildings.

Sustainable Construction

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Sustainable Construction: Green Building Design and Delivery, Third Edition guides construction and design professionals through the process of creating healthy, sustainable buildings. The book provides an overview of the LEED system and explains how it is changing the way buildings are designed and constructed. The book is a comprehensive guide to sustainable building design and construction, featuring case studies and examples of successful projects. It includes chapters on sustainable materials and technologies, energy efficiency, water conservation, and occupant health and comfort.

Sustainable Construction: Green Building Design and Delivery, Third Edition: Green Globes and international building assessment systems Environmental product declarations (EPDs) as the norm for green building

Presents guidelines for all project stakeholders, including subcontractors, architects, engineers, fabricators, and owners Includes chapters on BIM for Design Coordination

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

API Recommended Rules for the Design and Construction of Large, Welded, Low-pressure Storage Tanks


Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks

Recommended Rules for Design and Construction of Large, Welded, Low-pressure Storage Tanks