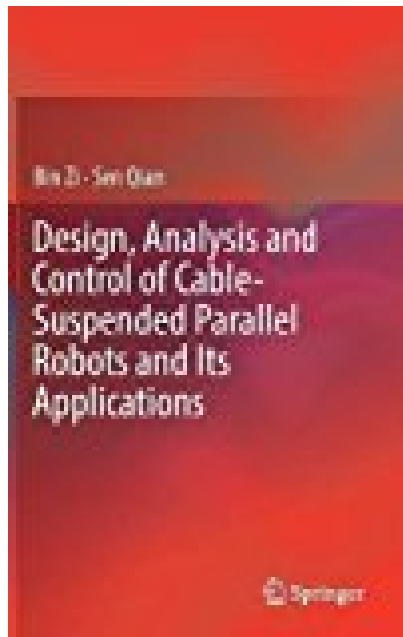


Design Analysis and Control of Cable-Suspended Parallel Robots and Its Applications



BOOK DETAILS

- Author : Bin Zi
- Pages : 299 Pages
- Publisher : Springer
- Language : English
- ISBN : 9811017522



BOOK SYNOPSIS

This book provides an essential overview of the authors' work in the field of cable-suspended parallel robots, focusing on innovative design, mechanics, control, development and applications. It presents and analyzes several typical mechanical architectures of cable-suspended parallel robots in practical applications, including the feed cable-suspended structure for super antennae, hybrid-driven-based cable-suspended parallel robots, and cooperative cable parallel manipulators for multiple mobile cranes. It also addresses the fundamental mechanics of cable-suspended parallel robots on the basis of their typical applications, including the kinematics, dynamics and trajectory tracking control of the feed cable-suspended structure for super antennae. In addition it proposes a novel hybrid-driven-based cable-suspended parallel robot that uses integrated mechanism design methods to improve the performance of traditional cable-suspended parallel robots. A comparative study on error and performance indices of hybrid-driven based and traditional cable-suspended parallel robots rounds out the coverage. This book addresses the needs of researchers, engineers and post-graduates in the field of cable-suspended parallel robots and related areas.

DESIGN ANALYSIS AND CONTROL OF CABLE-SUSPENDED PARALLEL ROBOTS AND ITS APPLICATIONS

- Are you looking for Ebook Design Analysis And Control Of Cable-Suspended Parallel Robots And Its Applications? You will be glad to know that right now Design Analysis And Control Of Cable-Suspended Parallel Robots And Its Applications is available on our online library. With our online resources, you can find Applied Numerical Methods With Matlab Solution Manual 3rd Edition or just about any type of ebooks, for any type of product. Best of all, they are entirely free to find, use and download, so there is no cost or stress at all. Design Analysis And Control Of Cable-Suspended Parallel Robots And Its Applications may not make exciting reading, but Applied Numerical Methods With Matlab Solution Manual 3rd Edition is packed with valuable instructions, information and warnings. We also have many ebooks and user guide is also related with Design Analysis And Control Of Cable-Suspended Parallel Robots And Its Applications and many other ebooks.

We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with Design Analysis And Control Of Cable-Suspended Parallel Robots And Its Applications. To get started finding Design Analysis And Control Of Cable-Suspended Parallel Robots And Its Applications, you are right to find our website which has a comprehensive collection of manuals listed.