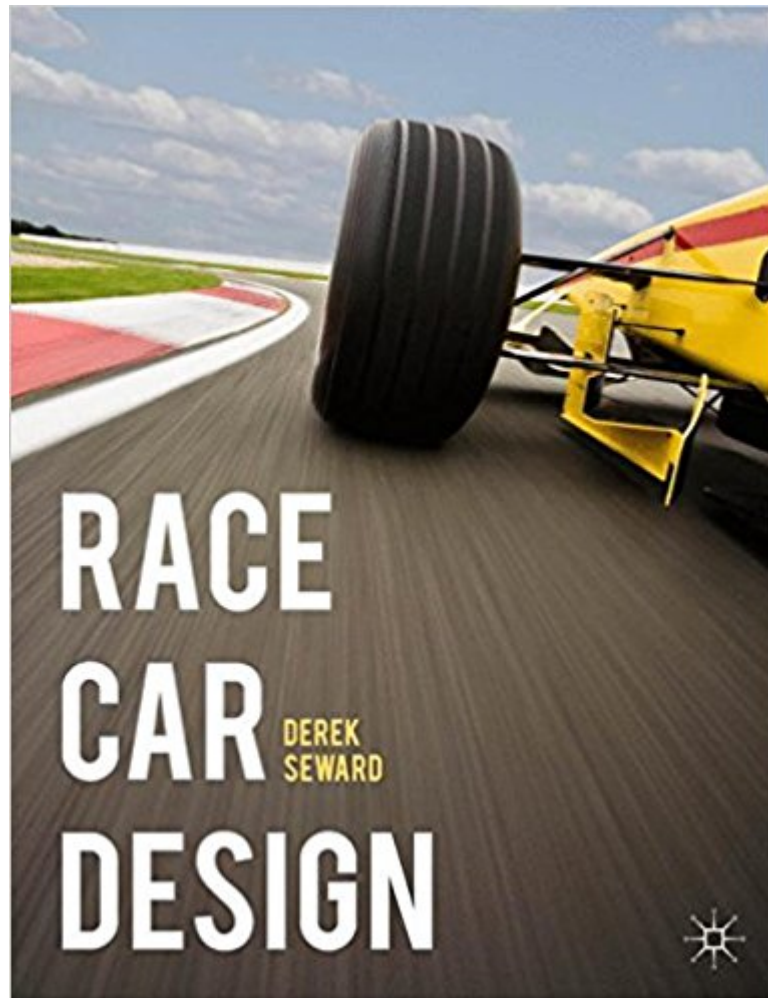




**Ebook Directory**  
the best source of ebook

The book was found

# Race Car Design



## Synopsis

Based on the principles of engineering science, physics and mathematics, but assuming only an elementary understanding of these, Race Car Design masterfully explains the theory and practice of the subject. Bringing together key topics, including the chassis frame, tyres, suspension, steering and brakes, this is the first text to cover all the essential elements of race car design in one student-friendly textbook. Race Car Design:- Features a wealth of illustrations, including a full-colour plate section- Demonstrates the important role of computer tools- Uses dozens of clear examples and calculations to illustrate both theory and practical applications- Is written by an experienced author, known for his engaging and accessible style This book is an ideal accompaniment for motorsport engineering students and is the best possible resource for those involved in Formula Student/FSAE. It is also a valuable guide for practising car designers and enthusiasts.

## Book Information

Paperback: 288 pages

Publisher: Palgrave; 2014 edition (February 27, 2015)

Language: English

ISBN-10: 1137030143

ISBN-13: 978-1137030146

Product Dimensions: 7.5 x 0.6 x 9.7 inches

Shipping Weight: 15.5 ounces (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 6 customer reviews

Best Sellers Rank: #442,962 in Books (See Top 100 in Books) #49 in [Books > Engineering & Transportation > Automotive > Repair & Maintenance > Vehicle Design & Construction](#) #95 in [Books > Engineering & Transportation > Automotive > Repair & Maintenance > Testing & Certification](#) #137 in [Books > Engineering & Transportation > Automotive > Racing](#)

## Customer Reviews

"The book is extremely useful and will benefit students across all levels. Examples and calculations are very clear and show all the relevant stages, and the book is written in a very user-friendly way." - Steve Hill, Programme Leader for Motorsport Engineering, University of Derby, UK  
"This book will be of value to engineering students studying motorsport, undertaking a motorsport design project or participating in Formula Student or Formula SAE. The style of writing is accessible and the book offers a balance between the practical and theoretical aspects of the discipline." - Clive Temple, Programme Director of MSc Advanced Motorsport Engineering, Cranfield University, UK

"The book is extremely useful and will benefit students across all levels. Examples and calculations are very clear and show all the relevant stages, and the book is written in a very user-friendly way." - Steve Hill, Programme Leader for Motorsport Engineering, University of Derby, UK

"This book will be of value to engineering students studying motorsport, undertaking a motorsport design project or participating in Formula Student or Formula SAE. The style of writing is accessible and the book offers a balance between the practical and theoretical aspects of the discipline." - Clive Temple, Programme Director of MSc Advanced Motorsport Engineering, Cranfield University, UK

"This is a first rate book covering all the basics of a race car design, even the tires. I highly recommend it as the first book you read if you are in engineer with no background in auto design. It would serve well as a textbook for an undergraduate engineering course in race car design." - reviewer - 5 stars

"As a retired member of the SAE and a motor sports engineer I loved this book ...at 73 there's always more to learn from others. I wish this text was used by all physics professors." reviewer - 5 stars

This is a first rate book covering all the basics of a race car design, even the tires. I highly recommend it as the first book you read if you are in engineer with no background in auto design. It would serve well as a textbook for an undergraduate engineering course in race car design. There is no advanced math (like calculus), but a good knowledge of algebra and statics is needed to fully understand parts of the book. the author even talks about standard practices such as normal stress safety factors on suspension components. That being said, a great majority of the book will also be useful for a reader without an engineering/math background. The author gives many insights and pointers that do not require any math to understand.

Lots of math that can be hard to follow if you're not into math. If you don't need to know it and you're just looking for the basics you can just skim past it to get the juicy stuff. I haven't finished the book yet but I like what I've seen so far.

Practical and easy to understand

As a retired member of the SAE and a motor sports engineer I loved this book ...at 73 there's always more to learn from others. I wish this text was used by high all school physics professors.

Well presented! Very insightful and a great bridge between academic and applied methods.

Defective product. Missing pages 59-66.

[Download to continue reading...](#)

Race Car Coloring Book: 30 High Quality Race Car Design for Kids and Adults (modern and retro racing cars 1909-2015) Mark Martin (Race Car Legends) (Race Car Legends: Collector's Edition) Advanced Race Car Chassis Technology HP1562: Winning Chassis Design and Setup for Circle Track and Road Race Cars Car insurance book: A Complete Guide to Car insurance (Auto insurance book, Understanding your car insurance) Classic Car Calendar - Muscle Car Calendar - American Muscle Cars Calendar - Calendars 2017 - 2018 Wall Calendars - Car Calendar - American Classic Cars 16 Month Wall Calendar by Avonside Low Car(bon) Communities: Inspiring car-free and car-lite urban futures HOW TO BUY A USED CAR: A Complete Guide from Start to Finish On How To Buy A Used Car; FROM THE PERSPECTIVE OF AN EXPERIENCED LICENSED CAR DEALER Buying Checklist Included The Car Race (Let's Race) Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills) Race Car Design Discovering Patagonia and Tierra Del Fuego by Car: Crossing Mountains, Lakes and Glaciers (Travelling Southamerica by Car Book 2) Car Talk: 25 Years of Lousy Car Advice Car Talk: The Greatest Stories Ever Told: Once Upon a Car Fire . . . AUTO INSURANCE: A Business Guide On How To Save Money On Car Insurance (Home insurance, car insurance, health insurance) Car Wars: The Rise, the Fall, and the Resurgence of the Electric Car Car Maintenance Record Book: Car Maintenance - Repair Log Book Journal. Log Date, Mileage, Repairs And Maintenance. Notebook With 100 Pages. (Auto Books) Citroen Classic Car Calendar- Calendars 2017 - 2018 Wall Calendars - Car Calendar - Automobile Calendar - Citroen Classic Cars 16 Month Wall Calendar by Avonside Home Burglary and Car Theft Protection Hacks: 12 Simple Practical Hacks to Protect and Prevent Home and Car from Robbery (Life 'n' Hack) TAKARA TOMY Tomica Hyper Rescue HR04 Light Car (0/48) Diecast Toy Car D.I.Y. - Detail It Yourself: The Car Enthusiast's Guide to a Fantastic Looking Car

[Contact Us](#)

[DMCA](#)

[Privacy](#)

