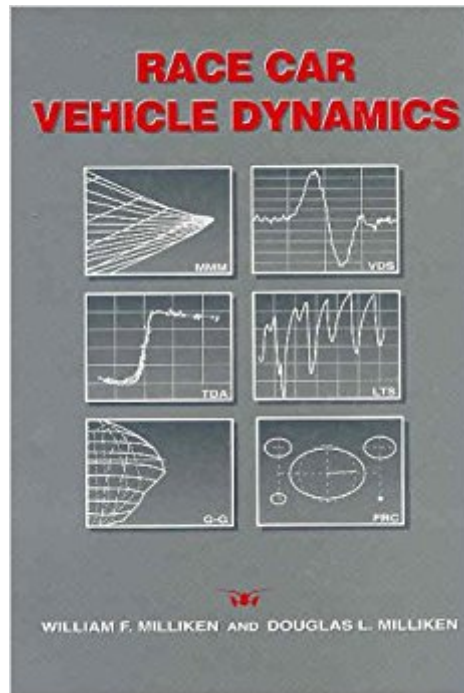


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# Race Car Vehicle Dynamics (R146) (Premiere Series)



## Synopsis

Written for the engineer as well as the race car enthusiast, Race Car Vehicle Dynamics includes much information that is not available in any other vehicle dynamics text. Truly comprehensive in its coverage of the fundamental concepts of vehicle dynamics and their application in a racing environment, this book has become the definitive reference on this topic. Although the primary focus is on the race car, the engineering fundamentals detailed are also applicable to passenger car design and engineering. Authors Bill and Doug Milliken have developed many of the original vehicle dynamics theories and principles covered in this book, including the Moment Method, "g-g" Diagram, pair analysis, lap time simulation, and tyre data normalization. The book also includes contributions from other experts in the field. Chapters cover: The Problem Imposed by Racing Tire Behavior Aerodynamic Fundamentals Vehicle Axis Systems and more.

## Book Information

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## Customer Reviews

We offer no apologies for making this important... book our choice for the second time around. Widely welcomed, its content is already being put to good use by many race car engineers... Today, anyone who wishes to make a career by understanding the automobile and its vagaries should start here. And anyone who wishes to appear to understand it should have this book on his or her desk--in the same way that Stephen Hawking's A Brief History of Time is essential!" --Race Car Engineering "...even if you're not historically inclined, the book's theoretical and technical sections (its vast majority) make for a definitive work on chassis dynamics, meaning that if you are an

armchair John Barnhard (or are John Barnhard), you might want to box a dozen or so of your Porsche or Bugatti books and make some room on the bookshelf for Race Car Vehicle Dynamics."

--Kim Reynolds, Road & Track "No other source provides such complete answers to why racing cars behave as they do. Very highly recommended." - Vintage Motorsport "An impressive... blend of analytical understanding and hard won practical experience from both passenger and race car design." --Automotive Engineer (published by IMechE) "On the macro level RCVD deals with general principles of vehicle dynamics but on the micro level was specifically geared towards racing; it synthesizes fundamental theory and practical application. Any race team that doesn't have a copy of this well written book is not winning as much as they could!" --Sabu Advani, SpeedReaders.info

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