



## The Automotive Chassis: Volume 2: System Design (Mechanical Engineering Series) (v. 2)

By Giancarlo Genta, L. Morello

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This work serves as a reference concerning the automotive chassis, i.e. everything that is inside a vehicle except the engine and the body. It is the result of a decade of work mostly done by the FIAT group, who supplied material, together with other automotive companies, and sponsored the work. The first volume deals with the design of automotive components and the second volume treats the various aspects of the design of a vehicle as a system.

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## **Editorial Review**

From the Back Cover

The Automotive Chassis is the result of two decades of experience: On the one hand from the experience of teaching courses such as Vehicle Mechanics, Vehicle System Design, Chassis Design to engineering students; on the other hand from the design practice of vehicle and chassis components in a large automotive company.

This work is addressed primarily to students of automotive engineering and secondarily to all technicians and designers working in this field. It is also addressed to all enthusiasts who are looking for a technical guide.

The text is subdivided in two volumes. The first one deals with the automotive chassis components, such as

- a structure, usually a ladder framework, able to carry all the remaining components of the vehicle;
- the suspensions for the mechanical linkage of wheels with the framework;
- the wheels and their tires;
- the steering system for changing wheel angles according to vehicle path;
- the brake system for reducing speed or stopping the vehicle;
- the transmission for applying engine torque to the driving wheels.

The second volume deals with the automotive chassis as a system, studying how it influences vehicle performance and dealing in detail with mathematical models useful for the design and analysis of the vehicle.

## **Users Review**

**From reader reviews:**

**Eduardo Baro:**

As people who live in often the modest era should be up-date about what going on or info even knowledge to make these individuals keep up with the era which is always change and move ahead. Some of you maybe will probably update themselves by reading through books. It is a good choice for you personally but the problems coming to you actually is you don't know what type you should start with. This The Automotive Chassis: Volume 2: System Design (Mechanical Engineering Series) (v. 2) is our recommendation so you keep up with the world. Why, because book serves what you want and want in this era.

**Jesus Novak:**

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their very own friends. Usually they doing activity like watching television, planning to beach, or picnic from the park. They actually doing same thing every week. Do you feel it? Will you something different to fill your own personal free time/ holiday? Could possibly be reading a book may be option to fill your free of charge time/ holiday. The first thing you will ask may be what kinds of publication that you should read. If you want to test look for book, may be the reserve untitled The Automotive Chassis: Volume 2: System Design (Mechanical Engineering Series) (v. 2) can be great book to read. May be it is usually best activity to you.

#### **Susan Spiegel:**

The book untitled The Automotive Chassis: Volume 2: System Design (Mechanical Engineering Series) (v. 2) contain a lot of information on it. The writer explains the woman idea with easy approach. The language is very clear to see all the people, so do definitely not worry, you can easy to read the idea. The book was compiled by famous author. The author will bring you in the new time of literary works. You can read this book because you can keep reading your smart phone, or model, so you can read the book throughout anywhere and anytime. If you want to buy the e-book, you can available their official web-site along with order it. Have a nice study.

#### **Justin Campbell:**

This The Automotive Chassis: Volume 2: System Design (Mechanical Engineering Series) (v. 2) is completely new way for you who has curiosity to look for some information mainly because it relief your hunger associated with. Getting deeper you in it getting knowledge more you know otherwise you who still having little bit of digest in reading this The Automotive Chassis: Volume 2: System Design (Mechanical Engineering Series) (v. 2) can be the light food in your case because the information inside that book is easy to get by simply anyone. These books create itself in the form which can be reachable by anyone, yeah I mean in the e-book form. People who think that in reserve form make them feel tired even dizzy this publication is the answer. So you cannot find any in reading a book especially this one. You can find what you are looking for. It should be here for you actually. So , don't miss the idea! Just read this e-book style for your better life in addition to knowledge.

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