

Mechanical Engineering Series

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The Automotive Body

Volume II: System Design

 Springer

The Automotive Body Volume Ii System Design Mechanical Engineering Series

L. Morello, Lorenzo Rosti
Rossini, Giuseppe Pia, Andrea Tonoli



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The Automotive Body L. Morello, Lorenzo Rosti Rossini, Giuseppe Pia, Andrea Tonoli, 2011-03-04 The Automotive Body consists of two volumes The first volume produced the needful cultural background on the body it described the body and its components in use on most kinds of cars and industrial vehicles the quantity of drawings that are presented allows the reader to familiarize with the design features and to understand functions design motivations and fabrication feasibility in view of the existing production processes The purpose of this second volume is to explain the links which exist between satisfying the needs of the customer either driver or passenger and the specifications for vehicle design and between the specifications for vehicle system and components For this study a complete vehicle system must be considered including according to the nature of functions that will be discussed more component classes than considered in Volume I and sometimes also part of the chassis and the powertrain These two books about the vehicle body may be added to those about the chassis and are part of a series sponsored by ATA the Italian automotive engineers association on the subject of automotive engineering they follow the first book published in 2005 in Italian only about automotive transmission They cover automotive engineering from every aspect and are the result of a five year collaboration between the Polytechnical University of Turin and the University of Naples on automotive engineering

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The Automotive Chassis Giancarlo Genta, L. Morello, 2008-12-26 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

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Mechanical Engineering and Green Manufacturing II Shao Bo Zhong, Xi Long Qu, 2012-02-27 Selected peer reviewed papers from the 2nd International Conference on Mechanical Engineering and Green Manufacturing MEGM 2012 March 16 18 2012 Chongqing China **The Automotive Chassis** Giancarlo Genta, L. Morello, 2010-11-16 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 **Methods in Biomechanics, volume II** Zhen Luo, Peter Quesada, Kerry Danelson, 2025-06-19 This Research Topic is Volume II of the article collection Methods in Biomechanics You can access the first collection here This series aims to highlight the latest experimental techniques and methods used to investigate fundamental questions in biomechanics and bionics research including but not limited to Biomechanical modeling and analysis Innovations in implantable attachable or wearable technologies Bio robotics and humanoid robotics Systematic review articles on methodologies or applications addressing best practices advantages and limitations of each are welcome

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Reviewing **The Automotive Body Volume Ii System Design Mechanical Engineering Series**: Unlocking the Spellbinding Force of Linguistics

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