

1. Record Nr.	UNINA9910826947103321
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Titolo	Tire and vehicle dynamics // Hans B. Pacejka, Igo Besselink
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Elsevier/BH, 2012
ISBN	1-280-58137-9 9786613611154 0-08-097017-6
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (649 p.)
Altri autori (Persone)	BesselinkIgo
Disciplina	629.231 629.2482
Soggetti	Motor vehicles - Dynamics Motor vehicles - Tires Tires - Performance Tires - Traction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Tire and Vehicle Dynamics; Copyright; Contents; Exercises; Preface; Chapter 1 - Tire Characteristics and Vehicle Handling and Stability; 1.1. INTRODUCTION; 1.2. TIRE AND AXLE CHARACTERISTICS; 1.3. VEHICLE HANDLING AND STABILITY; Chapter 2 - Basic Tire Modeling Considerations; 2.1. INTRODUCTION; 2.2. DEFINITION OF TIRE INPUT QUANTITIES; 2.3. ASSESSMENT OF TIRE INPUT MOTION COMPONENTS; 2.4. FUNDAMENTAL DIFFERENTIAL EQUATIONS FOR A ROLLING AND SLIPPING BODY; 2.5. TIRE MODELS (INTRODUCTORY DISCUSSION); Chapter 3 - Theory of Steady-State Slip Force and Moment Generation 3.1. INTRODUCTION 3.2. TIRE BRUSH MODEL; 3.3. THE TREAD SIMULATION MODEL; 3.4. APPLICATION: VEHICLE STABILITY AT BRAKING UP TO WHEEL LOCK; Chapter 4 - Semi-Empirical Tire Models; 4.1. INTRODUCTION; 4.2. THE SIMILARITY METHOD; 4.3. THE MAGIC FORMULA TIRE MODEL; Chapter 5 - Non-Steady-State Out-of-Plane String-Based Tire Models; 5.1. INTRODUCTION; 5.2. REVIEW OF EARLIER RESEARCH; 5.3. THE STRETCHED STRING MODEL; 5.4. APPROXIMATIONS AND OTHER MODELS; 5.5. TIRE INERTIA EFFECTS; 5.6. SIDE FORCE

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6.2. THE SIMPLE TRAILING WHEEL SYSTEM WITH YAW DEGREE OF FREEDOM  
6.3. SYSTEMS WITH YAW AND LATERAL DEGREES OF FREEDOM;  
6.4. SHIMMY AND ENERGY FLOW; 6.5. NONLINEAR SHIMMY OSCILLATIONS; Chapter 7 - Single-Contact-Point Transient Tire Models; 7.1. INTRODUCTION; 7.2. MODEL DEVELOPMENT; 7.3. ENHANCED NONLINEAR TRANSIENT TIRE MODEL; Chapter 8 - Applications of Transient Tire Models; 8.1. VEHICLE RESPONSE TO STEER ANGLE VARIATIONS; 8.2. CORNERING ON UNDULATED ROADS; 8.3. LONGITUDINAL FORCE RESPONSE TO TIRE NONUNIFORMITY, AXLE MOTIONS, AND ROAD UNEVENNESS; 8.4. FORCED STEERING VIBRATIONS  
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## Sommario/riassunto

The definitive book on tire mechanics by the acknowledged world expert Covers everything you need to know about pneumatic tires and their impact on vehicle performance, including mathematic modeling and its practical application Written by the acknowledged world authority on the topic and the name behind the most widely used model, Pacejka's 'Magic Formula' Updated with the latest information on new and evolving tire models to ensure you can select the right model for your needs, apply it appropriately and understand its limitations In

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