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Autore	Pacejka H. B
Titolo	Tyre and vehicle dynamics / / Hans B. Pacejka
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Elsevier/BH, 2006
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Edizione	[2nd ed.]
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Disciplina	629.2482 629.2482 21
Soggetti	Tires - Design Tires - Traction Motor vehicles - Tires Motor vehicles - Dynamics
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 (p. [595]-605) and index.
Nota di contenuto	Front Cover; Tyre and Vehicle Dynamics; Copyright Page; Contents; Chapter 1. Tyre Characteristics and Vehicle Handling and Stability; 1.1. Introduction; 1.2. Tyre and Axle Characteristics; 1.3. Vehicle Handling and Stability; Chapter 2. Basic Tyre Modelling Considerations; 2.1. Introduction; 2.2. Definition of Tyre Input Quantities; 2.3. Assessment of Tyre Input Motion Components; 2.4. Fundamental Differential Equations for a Rolling and Slipping Body; 2.5. Tyre Models (Introductory Discussion); Chapter 3. Theory of Steady-State Slip Force and Moment Generation; 3.1. Introduction 3.2. Tyre Brush Model3.3. The Tread Simulation Model; 3.4. Application: Vehicle Stability at Braking up to Wheel Lock; Chapter 4. Semi-Empirical Tyre Models; 4.1. Introduction; 4.2. The Similarity Method; 4.3. The Magic Formula Tyre Model; Chapter 5. Non-Steady-State Out-of-Plane String-Based Tyre Models; 5.1. Introduction; 5.2. Review of Earlier Research; 5.3. The Stretched String Model; 5.4. Approximations and Other Models; 5.5. Tyre Inertia Effects; 5.6. Side Force Response to Time-Varying Load; Chapter 6. Theory of the Wheel Shimmy Phenomenon; 6.1. Introduction

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. Non-Linear Shimmy Oscillations; Chapter 7. Single Contact Point Transient Tyre Models; 7.1. Introduction; 7.2. Model Development; 7.3. Enhanced Non-Linear Transient Tyre Model; Chapter 8. Applications of Transient Tyre Models; 8.1. Vehicle Response to Steer Angle Variations; 8.2. Cornering on Undulated Roads; 8.3. Longitudinal Force Response to Tyre Non-Uniformity, Axle Motions and Road Unevenness; 8.4. Forced Steering Vibrations; 8.5. ABS Braking on Undulated Road; 8.6. Starting from Standstill; Chapter 9. Short Wavelength Intermediate Frequency Tyre Model; 9.1. Introduction; 9.2. The Contact Patch Slip Model; 9.3. Tyre Dynamics; 9.4. Dynamic Tyre Model Performance; Chapter 10. Swift and Road Unevennesses; 10.1. Dynamic Tyre Response to Short Road Unevennesses; 10.2. Three Advanced Dynamic Tyre Models: SWIFT, FTire, RMOD-K; Chapter 11. Motorcycle Dynamics; 11.1. Introduction; 11.2. Model Description; 11.3. Linear Equations of Motion; 11.4. Stability Analysis and Step Responses; 11.5. Analysis of Steady-State Cornering; 11.6. Motorcycle Magic Formula Tyre Model; Chapter 12. Tyre steady-state and dynamic test facilities; References; List of Symbols; Appendix 1: Sign Conventions for Force and Moment and Wheel Slip; Appendix 2: TreadSim; Appendix 3: SWIFT Parameters; App. 3.1. Parameter Values of Magic Formula and SWIFT Model; App. 3.2. Non-Dimensionalisation; App. 3.3. Estimation of SWIFT Parameter Values; Index

Sommario/riassunto

In this new paperback edition of *Tyre and Vehicle Dynamics*, theory is supported by practical and experimental evidence. Pacejka provides both basic and advanced explanations of the pneumatic tyre and its impact on vehicle dynamic performance. The book shows the way in which tyre models are incorporated in vehicle models and how important tyre influence is on overall vehicle behaviour. Those working in any industry involving equipment with tyres will continue to find this book both extremely relevant and useful.* Written by a world expert in tyre dynamics* Covers both basic

2. Record Nr.	UNINA9911091130003321
Titolo	Greek vases : images, contexts, and controversies : proceedings of the conference sponsored by the Center for the Ancient Mediterranean at Columbia University, 23-24 March 2002 / / edited by Clemente Marconi
Pubbl/distr/stampa	Leiden ; ; Boston, : Brill, 2004
ISBN	1-280-91499-8 9786610914999 90-474-0514-5 1-4294-2750-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (x, 149 pages) : illustrations (some color)
Collana	Columbia studies in the classical tradition, , 0166-1302 ; ; v. 25
Altri autori (Persone)	MarconiClemente <1966->
Disciplina	738.3/82/0938
Soggetti	Vases, Greek Vase-painting, Greek
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 (p. [131]-141) and index.
Nota di contenuto	""Contents""; ""Abbreviations""; ""Preface""; ""Chapter One: Leagros The Satyr""; ""Chapter Two: Skythian Hunters on the Attic Vases""; ""Chapter Three: Images for a Warrior. On a Group of Athenian Vases and Their Public""; ""Chapter Four: Images of a Warrior: On a Group of Athenian Vases and Their Public""; ""Chapter Five: Bubbles = Baubles, Bangles and Beads: Added Clay in Athenian Vase Painting and its Significance""; ""Chapter Six: Hera, Paestum, and the Cleveland Painter""; ""Chapter Seven: Odysseus and Kirke. Iconography in a Pre-Literate Culture"" ""Chapter Eight: The World of Aphrodite in the late Fifth Century B.C."" ""Chapter Nine: The Paestan Painter Asteas""; ""Figures""; ""Bibliography""; ""Index""
Sommario/riassunto	This volume deals with Greek painted vases, exploring them from various methodological points of view and moving beyond the traditional focus on connoisseurship and style. The volume, which represents the proceedings of an international conference sponsored by the Center for the Ancient Mediterranean at Columbia University, is an effort to exploit the immense richness of these vases by using them

to study general cultural history.

3. Record Nr.	UNINA9911137625603321
Autore	Philoponus John <active 6th century, >
Titolo	On Aristotle Meteorology 1.1-3 / Philoponus ; translated by Inna Kupreeva
Pubbl/distr/stampa	London, : Bristol Classical Press, 2011
ISBN	9781472551856 1472551850 9781472501684 1472501683
Edizione	[1st ed.]
Descrizione fisica	1 online resource (145 p.)
Collana	Ancient commentators on Aristotle
Disciplina	185 551.5
Soggetti	Meteorology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Paperback edition first published 2014"--T. p. verso.
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	Conventions and abbreviations -- Introduction -- Translation -- Paraphrase of Book One -- Paraphrase of Book Two -- Paraphrase of Book Three -- Notes -- Bibliography -- English-Greek Glossary -- Greek-English Index -- Index of Passages -- Subject Index
Sommario/riassunto	"Aristotle's Meteorology influenced generations of speculation about the earth sciences - ranging from atmospheric phenomena to earthquakes. The commentary of John Philoponus (6th century ad) on the opening three chapters of Meteorology is here translated for the first time into English by Dr Inna Kupreeva, building on the work of L.G. Westerink. Philoponus - who today is increasingly respected as a philosopher in his own right - here engages critically with Aristotle's views about the building-blocks of our world, its size and relationship to other heavenly bodies, and reception of warmth from the sun. This volume will be of interest to all students of ancient and medieval philosophy, history and philosophy of science."--Bloomsbury Publishing

Aristotle's *Meteorology* influenced generations of speculation about the earth sciences, ranging from atmospheric phenomena to earthquakes. The commentary of John Philoponus (6th century AD) on the opening three chapters of *Meteorology* is here translated for the first time into English by Dr Inna Kupreeva, building on the work of L.G. Westerink. Philoponus, who today is increasingly respected as a philosopher in his own right, here engages critically with Aristotle's views about the building-blocks of our world, its size and relationship to other heavenly bodies, and reception of warmth from the sun. The translation in this volume is accompanied by a detailed introduction, extensive commentary notes and a bibliography.
