

1. Record Nr.	UNINA9910583466903321
Autore	Pauwelussen Joop
Titolo	Essentials of vehicle dynamics // Joop P. Pauwelussen
Pubbl/distr/stampa	Oxford, England : , : Butterworth-Heinemann, , 2015 ©2015
ISBN	0-08-100058-8
Edizione	[1st edition]
Descrizione fisica	1 online resource (320 p.)
Disciplina	629.231
Soggetti	Automobiles - Dynamics 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 and index.
Nota di contenuto	Front Cover; Essentials of Vehicle Dynamics; Copyright Page; Dedication; Contents; Preface; 1 Introduction; 2 Fundamentals of Tire Behavior; 2.1 Tire Input and Output Quantities; 2.2 Free Rolling Tire; 2.3 Rolling Resistance; 2.3.1 Braking/Driving Conditions; 2.3.2 Parasitary Forces: Toe and Camber; 2.3.3 Temperature; 2.3.4 Forward Speed; 2.3.5 Inflation Pressure; 2.3.6 Truck Tires Versus Passenger Car Tires; 2.3.7 Radial Versus Bias-Ply Tires; 2.3.8 Other Effects; 2.4 The Tire Under Braking and Driving Conditions; 2.4.1 Braking Behavior Explained; 2.4.2 Modeling Longitudinal Tire Behavior 2.5 The Tire Under Cornering Conditions2.5.1 Cornering Behavior Explained; 2.5.2 Modeling Lateral Tire Behavior; 2.6 Combined Cornering and Braking/Driving; 2.6.1 Combined Slip; 2.6.2 Modeling Tire Behavior for Combined Slip; 2.6.3 Approximations in case of Combined Slip; 2.7 Physical Tire Models; 2.7.1 The Brush Model; 2.7.2 The Brush-String Model; 3 Nonsteady-State Tire Behavior; 3.1 Tire Transient Behavior; 3.1.1 The Tire Transient Model; 3.1.2 Applications of the Tire Transient Model; Shimmy of A Trailing Wheel; Single Wheel Vehicle Under Repetitive Braking 3.2 Dynamic Tire Response to Road Disturbances3.2.1 Introduction to the Rigid Ring Tire Model; 3.2.2 Enveloping Properties of Tires to Road Disturbances; 3.2.3 Dynamic Response to Road Disturbances; 4 Kinematic Steering; 4.1 Axis Systems and Notations; 4.2 Ackermann Steering; 4.3 The Articulated Vehicle; 5 Vehicle Handling Performance;

5.1 Criteria for Good Handling; 5.1.1 ISO 4138: Steady-State Circular Test; 5.1.2 ISO 7401: Lateral Transient Response Test; 5.2 Single-Track Vehicle Modeling; 5.2.1 The Single-Track Model; Remarks Regarding Forces Acting on the Vehicle
5.2.2 Effect of Body Roll and Lateral Load Transfer Contact Forces According to Genta and Morello; Contact Forces According to Kiencke and Nielsen; 5.2.3 Alignment and Compliance Effects; 5.2.4 Effect of Combined Slip; 5.3 Steady-State Analysis; 5.3.1 Steady-State Solutions; Remark; 5.3.2 Understeer and Oversteer; Definition 1; Definition 2; Definition 3; Definition 4; 5.3.3 Neutral Steer Point; 5.4 Nonsteady-State Analysis; 5.4.1 Yaw Stability; Ad (i); Ad (ii); Ad (iii); 5.4.2 Frequency Response; 5.5 Graphical Assessment Methods; 5.5.1 Phase Plane Analysis; 5.5.2 Stability Diagram
5.5.3 The Handling Diagram 5.5.4 The MMM Diagram; 5.5.5 The g-g Diagram; 6 The Vehicle-Driver Interface; 6.1 Assessment of Vehicle-Driver Performance; The Inter-Beat-Interval; The Heart Rate Variability; Pupil Diameter and Endogenous Eye Blinks; Blood Pressure Variability; Skin Conduction Response; Facial Muscle Activity; 6.2 The Vehicle-Driver Interface, A System Approach; 6.2.1 Open-Loop and Closed-Loop Vehicle Behavior; 6.2.2 The McRuer Crossover Model; 6.3 Vehicle-Driver Longitudinal Performance; 6.3.1 Following a Single Vehicle; 6.3.2 Driver Model and Driver State Identification
6.4 Vehicle-Driver Handling Performance

Sommario/riassunto

Essentials of Vehicle Dynamics explains the essential mathematical basis of vehicle dynamics in a concise and clear way, providing engineers and students with the qualitative understanding of vehicle handling performance needed to underpin chassis-related research and development. Without a sound understanding of the mathematical tools and principles underlying the complex models in vehicle dynamics, engineers can end up with errors in their analyses and assumptions, leading to costly mistakes in design and virtual prototyping activities. Author Joop P. Pauwelussen looks to rectify this by d

2. Record Nr.	UNINA9910695715603321
Titolo	Total knee replacement [[electronic resource]] : January 1990 through October 2003 : 3813 citations / / prepared by Lori J. Klein, Jennifer R. Heiland, James S. Panagis
Pubbl/distr/stampa	Bethesda, MD : , : U.S. Dept. of Health & Human Services, Public Health Service, National Institutes of Health, National Library of Medicine, Reference Section, , [2003]
Descrizione fisica	1 electronic text : digital, HTML file
Collana	Current bibliographies in medicine ; ; 2003-2
Altri autori (Persone)	KleinLori HeilandJennifer R PanagisJames S
Soggetti	Total knee replacement Arthroplasty, Replacement, Knee Knee Prosthesis Bibliography Bibliographies.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed Dec. 10, 2003). Prepared for the Consensus Development Conference titled "Total Knee Replacement", held Dec. 8-10, 2003 at the National Institutes of Health in Bethesda, Md. "2003 December."
Sommario/riassunto	Assesses the current state of the science regarding primary and revision total knee replacements. References appear in 5 broad categories that parallel topics presented at the conference, with many of the topics further broken down. Citations may appear in only one category.

3. Record Nr.	UNINA9910816570203321
Autore	Prud'homme Roger
Titolo	Flows and chemical reactions in an electromagnetic field / / Roger Prud'homme
Pubbl/distr/stampa	Hoboken, New Jersey : , : ISTE Ltd/John Wiley and Sons Inc., , 2014
ISBN	1-119-05413-3 1-119-05415-X 1-119-05431-1
Descrizione fisica	1 online resource (246 pages) : illustrations
Disciplina	541/.39
Soggetti	Chemical reactions Fluid mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Relativistic considerations -- Balance laws for non-polarized reactive mixtures -- Balance laws for polarized reactive mixtures -- linterfacial balances for conductive media -- Influences of fields on flames -- Applications to the Peltier effect -- Interaction between metal and plasma with an electrical field (Langmuir probe) -- Hall-effect space thruster.
Sommario/riassunto	This book - a continuation of the previous publications 'Flows and chemical reactions', 'Flows and chemical reactions in homogeneous mixtures' and 'Flows and chemical reactions in heterogeneous mixtures' - is devoted to flows with chemical reactions in the electromagnetic field.

4. Record Nr.	UNINA9910437630003321
Titolo	Connecting Healthcare Worker Well-Being, Patient Safety and Organisational Change : The Triple Challenge / / edited by Anthony Montgomery, Margot van der Doef, Efharis Panagopoulou, Michael P. Leiter
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-60998-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VII, 350 p. 29 illus.)
Collana	Aligning Perspectives on Health, Safety and Well-Being, , 2213-0470
Disciplina	613.6
Soggetti	Psychology, Industrial Employee health promotion Medical policy Work and Organizational Psychology Employee Health and Wellbeing Health Policy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Connecting Health Care Worker Well-being, Patient Safety and Organizational Change: The Triple Challenge (Anthony J. Montgomery, Margot Van der Doef, Efharis Panagopoulou, Michael P. Leiter) -- Section I. Linking Organisational Factors, Health Care Worker Well-being, and Patient Outcomes -- 2. Job Strain, Burnout, Wellbeing and Patient Safety in Healthcare Professionals (Daryl B. O'Connor, Louise H. Hall & Judith Johnson) -- 3. Missed Nursing Care: the Impact on Patients, Nurses and Organisations (Marcia Kirwan and Anne Matthews) -- 4. Linking Organisational Factors and Patient Care: Does Healthcare Workers' Well-being Matter? (Kevin Teoh and Juliet Hassard) -- 5. Burnout in Primary Care Workforce (Anli Yue Zhou, Maria Panagioti, Henry Galletta-Williams, Aneez Esmail) -- Section II. Zooming in on the health Care Context -- 6. Between Balance and Burnout: Contrasting the Working-time Conditions of Irish-trained Hospital Doctors in Ireland and Australia (John-Paul Byrne, Edel Conway, Aoife M.

McDermott, Richard W. Costello, Lucia Prihodova, Anne Matthews, and Niamh Humphries) -- 7. Doctors Well-Being, Quality of Patient Care and Organizational Change –Norwegian Experiences (Karin Isaksson Rø, Judith Rosta, Reidar Tyssen & Fredrik Bååthe) -- 8. The Relationship Between Employee Engagement and Organisational Outcomes in the English National Health Service: An Analysis of Employee and Employer Data in 28 Healthcare Organisations (Christian van Stolk and Marco Hafner) -- 9. Governing Health Care Provision – Clinicians' Experiences (Berit Bringedal, Inger-Lise Teig IL, and Kristine Bærøe) -- 10. Speaking up About Bullying and Harassment in Healthcare: Reflections Following the Introduction of an Innovative “Speak up” Role in NHEngland (Jones A, Blake J, Banks C, Adams M, Kelly D, Mannion R and Maben J) -- Section III. Developing Cultures that Enable Organisational Change -- 11. Between Taking Care of Others and Yourself: The Role of Work Recovery in Health Professionals (Claudia L. Rus, Cristina C. Vâjâean, Ctina Ooiu, Adriana Bban) -- 12. Creating Optimal Clinical Workplaces by Transforming Leadership and Empowering Clinicians (Paul DeChant, Paul DeChant & Diane Shannon) -- 13. Compassionate and Collective Leadership for Cultures of High-quality Care (Michael A. West & Senior Visiting Fellow) -- 14. Workforce and Excellence in Nursing Care: Challenges for Leaders and Professionals (Van Bogaert P, Timmermans O, Sloomans S, Goossens E, Franck E) -- 15. Mindful Practice: Organizational Change and Health Professional Flourishing Through Cultivating Presence and Courageous Conversations (Michael S Krasner & Ronald Epstein) -- Section IV. Towards Individual- and Organisation-Focused Interventions and their Effectiveness -- 16. Training as a Facilitator of Organizational Change in Health Care: The Input-Mediator/Moderator-Outcome-Input Model (Megan E. Gregory, Clayton D. Rothwell & Ann Scheck McAlearney) -- 17. Schwartz Center Rounds: an Intervention to Enhance Staff Well-being and Promote Organisational Change (Professor Jill Maben and Dr Cath Taylor) -- 18. How Healthcare Worker Well-being Intersects with Safety Culture, Workforce Engagement, and Operational Outcomes (Kathryn C. Adair, Kyle Rehder, J. Bryan Sexton) -- 19. Mindfulness as a Way to Improve Well-being in Healthcare Professionals: Separating the Wheat from the Chaff (Anthony Montgomery, Katerina Georganta, Ashvirni Gilbeth, Yugan Subramaniam, Karen Morgan) -- 20. Using Transformative Learning to Develop Skills for Managing Conflict: Lessons Learnt over Ten Years (Eva Doherty) -- 21. Well-Being, Patient Safety and Organizational Change: Quo Vadis? (Anthony J. Montgomery).

Sommario/riassunto

This volume delineates the ways in which key areas of healthcare, well-being, patient safety and organisational change overlap with and contribute to unhealthy workplaces for healthcare professionals. There is a growing realisation within healthcare that healthcare worker well-being, patient outcomes and organisational change are symbiotically linked. Burnout and stress in healthcare workers and toxic organisational cultures can lead to a cycle of patient neglect, medical errors, sub-optimal care and further stress. This topical volume therefore outlines the ways in which worker well-being, patient outcomes and organisational change can be aligned to contribute to a healthy workplace and therefore better medical care. The volume includes an array of authors from different disciplines including primary care, clinical medicine, psychology, sociology, management, clinical governance, health policy and health services research. It succeeds in integrating different voices and reaches meaningful conclusions to address the challenges facing the healthcare workforce.