1. Record Nr. UNISA990001264870203316

Autore	McQUISTON, Faye C.
Titolo	Heating, ventilating, and air conditioning : analysis and design / Faye C. McQuiston, Jerald D. Parker
Pubbl/distr/stampa	New York [etc.] : J. Wiley & sons, copyr. 1994
ISBN	0-471-58107-0
Edizione	[4]
Descrizione fisica	XIX, 742 p ; 26 cm + 8 c. in tasca
Disciplina	697
Soggetti	Riscaldamento Ventilazione Aria Condizionata
Collocazione	697 MCQ
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910734893203321

Autore	El-Gindy Moustafa
Titolo	Road and Off-Road Vehicle Dynamics / / by Moustafa El-Gindy, Zeinab El-Sayegh
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-36216-0
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (469 pages)
Altri autori (Persone)	El-SayeghZeinab
Disciplina	629.2 629.231
Soggetti	Automotive engineering Dynamics Nonlinear theories Transportation engineering Traffic engineering Engineering design Automotive Engineering Applied Dynamical Systems Transportation Technology and Traffic Engineering Engineering Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	On-Road Tire Mechanics -- Off-Road Terrain Characterization and Modelling -- Performance Characteristics of Off-Road Vehicles -- Road and Off-Road Neuro-Tire -- Road Vehicle Characteristics -- Multi-Wheeled Combat Vehicle Dynamics -- Logging Trucks Dynamics.
Sommario/riassunto	This book introduces and provides a detailed understanding of on- and off-road vehicle dynamics. It discusses classical on-road tyre mechanics, including finite element tyre modelling and validation, using a combination of theoretical and experimental data sets. Chapters explore new computational techniques that describe terrain models and combined to develop better off-road vehicle models, and focus is placed on terrain characterization and modelling, using two

popular modelling techniques, as well as performance characteristics of off-road vehicles - including rolling and driven combinations, traction, and steering. The effect of multi-pass and soil compaction on tyre performance is described as well. The book presents a unique neuro-tyre model for both on-road and off-road situations, capable of computing the steering, braking characteristics, and soil compaction. Road vehicle characteristics are described, including the stability and control, roll centre and roll axis, and rollover mechanics. The road vehicle braking performance is also described, including the brake components, choice of brake, and the transient load transfer. Finally, the dynamics and control of multi-wheel combat vehicles are presented and described extensively. The book is dedicated to undergraduate and graduate engineering students, in addition to researchers, and the automotive industry. As well as provide the readers with a better understanding of vehicle dynamics and soil mechanics. The book is also beneficial for automotive industries looking for a quick and reliable model to be implemented in their main software.