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Nota di contenuto	Introduction to Off-road Vehicles -- Wheel and Terrain Interaction -- Performance of Off-Road Vehicles -- Energetic Perspective of off-road vehicle Mobility -- Application of Artificial Intelligence on molding and optimization -- Applied Problems in Dynamical Systems.
Sommario/riassunto	This book deals with the analysis of off-road vehicle dynamics from kinetics and kinematics perspectives and the performance of vehicle traversing over rough and irregular terrain. The authors consider the wheel performance, soil-tire interactions and their interface, tractive performance of the vehicle, ride comfort, stability over maneuvering, transient and steady state conditions of the vehicle traversing, modeling the aforementioned aspects and optimization from energetic and vehicle mobility perspectives. This book brings novel figures for the transient dynamics and original wheel terrain dynamics at on-the- go condition.

