Record Nr. UNINA9910346959103321 Autore Peckelsen Ulrico Titolo Objective Tyre Development: Definition and Analysis of Tyre Characteristics and Quantification of their Conflicts Pubbl/distr/stampa KIT Scientific Publishing, 2017 1000073428 **ISBN** Descrizione fisica 1 electronic resource (XV, 269 p. p.) Collana Karlsruher Schriftenreihe Fahrzeugsystemtechnik / Institut für Fahrzeugsystemtechnik Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia The present work focuses on tyres for passenger cars, especially on its Sommario/riassunto influence on power loss, lateral dynamics, ride comfort and interior noise. The objective of the work is the quantification of conflicts between four selected requirements considering the physical constraints given by the tyre. The method proposed in the present book is based on a set of functional tyre characteristics, a physical tyre model and a procedure for identifying and quantifying the conflicts.