

1. Record Nr.	UNINA9910346761003321
Autore	Rose Steffen
Titolo	Modellbildung und Simulation von mobilen Arbeitsmaschinen - Untersuchungen zu systematischen Modellvereinfachungen in der Simulation von Antriebssystemen am Beispiel Bagger
Pubbl/distr/stampa	KIT Scientific Publishing, 2017
ISBN	1000070887
Descrizione fisica	1 electronic resource (XIX, 346 p. p.)
Collana	Karlsruher Schriftenreihe Fahrzeugsystemtechnik / Institut für Fahrzeugsystemtechnik
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	In the present work a systematic approach is presented. With this approach it is possible to take concerted simplifications in building models of power train systems of mobile machines. The adopted systematic simplifications are aimed essentially of reducing the order of the system. The basis for this is the introduction of hydraulic replacement elements. Their mathematical structure is based on reduced-dynamic, stationary and event-oriented considerations.