

1. Record Nr.	UNINA9910346762003321
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Titolo	Zur Modellbildung und Simulation reibungserregter Schwingungen in Pkw-Schaltgetrieben
Pubbl/distr/stampa	KIT Scientific Publishing, 2017
ISBN	1000069374
Descrizione fisica	1 online resource (IX, 189 p. p.)
Collana	Schriftenreihe des Instituts für Technische Mechanik, Karlsruher Institut für Technologie
Soggetti	Technology: general issues
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	An approach for the reproduction of friction induced vibrations in shift gearboxes in audible frequency range is presented. The research's core is given by follower forces, which arise out of the sliding clutch and gear contact. Firstly, a multi-body dynamic system with few degrees of freedom is presented, which is extended step-by-step. Besides the pure analysis of the stationary solution's stability, dynamic solutions are presented and discussed.