

1. Record Nr.	UNINA990003018480403321
Titolo	Beyond the Technology Race : An Analysis of Technology Policy in Seven Industrial Countries / Annemieke J.M. Roobeek
Pubbl/distr/stampa	Amsterdam : Elsevier, 1990
ISBN	0-444-88637-0
Descrizione fisica	XII, 268 p. ; 24 cm
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2. Record Nr.	UNINA9910299873903321
Autore	Wehner Jan-Hendrik
Titolo	Damping Optimization in Simplified and Realistic Disc Brakes // by Jan-Hendrik Wehner, Dominic Jekel, Rubens Sampaio, Peter Hagedorn
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-62713-9
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Soggetti	Vibration Dynamics Mathematical optimization Automotive engineering Vibration, Dynamical Systems, Control Optimization Automotive Engineering
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Theoretical background -- Optimization of a minimal model of disc brake -- Optimization of finite element models of disc brakes -- Conclusion -- References.
Sommario/riassunto	The main goal of this book is to show how to modify and optimize the properties of the damping matrix in order to find the most beneficial way of adding damping to a given mechanical system. To this end, a two-degree-of-freedom model of disc brake is analyzed to gain insight into the fundamental physical behavior of damping. In addition, more realistic, high-dimensional finite element brake models are studied and optimized for stability.