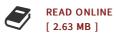




## Optimization Of Design Parameters For The Rigid Drive Disc Of Clutch

By Abdullah, Oday / Schlattmann, Josef

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Using Finite Element Method | The new direction of development of the automotive vehicle ride comfort and driving smoothness is associated with the advancement of the machine parts design, e.g., torsional dampers on friction clutch are considered as essential parts to maintain engine torque peaks as well as operational irregularities and reduce them in a way that is consistent with the comfort and robustness purposes. In this book, a numerical technique is used to model proposed designs of disc drive for friction clutch. The shape and material optimizations of the proposed models were carried out to improve the dynamic characteristics of the system and hence the absorption of shocks that occur during clutch engagement. In this work, the attention is paid to the numerical solution using finite element method to estimate the stresses and deformations for steady-state of the proposed models and hence investigation of the vibration characteristics of disc drives for clutch. | Format: Paperback | Language/Sprache: english | 123 gr | 220x150x4 mm | 80 pp.



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