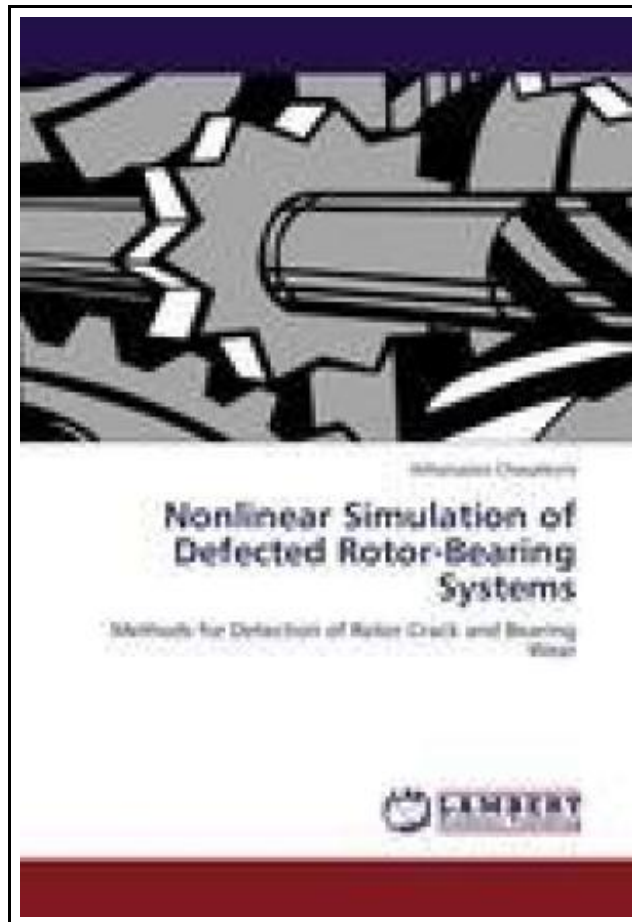


Nonlinear Simulation of Defected Rotor-Bearing Systems



Filesize: 8.53 MB

Reviews

Comprehensive guide for pdf fanatics. Sure, it really is play, nevertheless an interesting and amazing literature. I discovered this publication from my dad and i suggested this ebook to learn.

(Ms. Isobel Rosenbaum I)

NONLINEAR SIMULATION OF DEFECTED ROTOR-BEARING SYSTEMS



LAP Lambert Acad. Publ. Jun 2011, 2011. Taschenbuch. Book Condition: Neu. 220x150x18 mm. This item is printed on demand - Print on Demand Neuware - The current work focuses into two main directions of rotor dynamics object: the simulation of a rotor-bearing system and the detection of defects that are commonly appeared in rotating systems. The transverse breathing crack in a rotor and the radially extended wear in a bearing are the defects presented in the simulations. The persuasion is initially to make a proposal in rotor-bearing system nonlinear simulation and secondly to suggest methods able to detect the transverse breathing rotor crack and the bearing wear. Time-frequency analysis is performed using continuous wavelet transform in numerical and experimental time histories in order to extract the variable coupling phenomenon exclusively due to the breathing crack from the other two main reasons of coupling, the bearings and the shaft. The main speculations are that both defects have to be detected in an early growth and without the demand of interrupting the operation of the system since this cannot be always feasible in real rotating machinery. The growths of the defects have to be at least of 10% of rotor radius for the crack, and 20% of bearing radial clearance for bearing wear. 300 pp. Englisch.



[Read Nonlinear Simulation of Defected Rotor-Bearing Systems Online](#)

[Download PDF Nonlinear Simulation of Defected Rotor-Bearing Systems](#)

Related PDFs



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Save Book »](#)



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

[Save Book »](#)



Sport is Fun (Red B) NF

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, Sport is Fun (Red B) NF, Dianne Irving, This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books and...

[Save Book »](#)



Tinga Tinga Tales: Why Lion Roars - Read it Yourself with Ladybird

Paperback. Book Condition: New. Not Signed; This is a Tinga Tinga tale inspired by traditional stories from Africa. Lion is king of Tinga Tinga but he can't roar! Can his friend Flea help Lion to...

[Save Book »](#)



First Fairy Tales

Board book. Book Condition: New. Not Signed; This is a traditional story that is retold in rhyme in this chunky padded boardbook. When a couple of tailors offer to make a suit from material so...

[Save Book »](#)