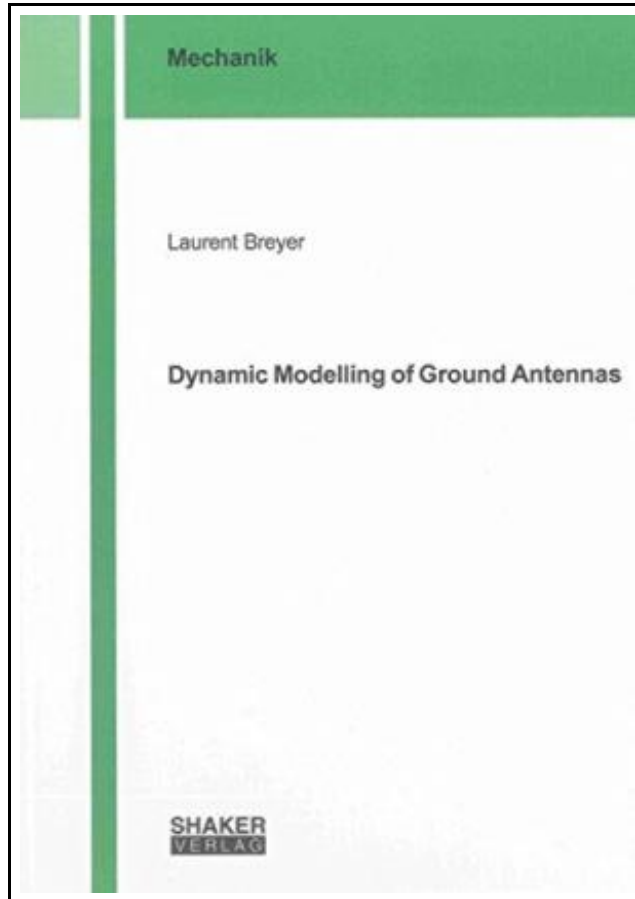


Dynamic Modelling of Ground Antennas



Filesize: 5.34 MB

Reviews

The most effective publication i at any time go through. This is certainly for all those who statte that there had not been a worthy of looking at. Its been printed in an extremely straightforward way which is merely soon after i finished reading this publication where basically changed me, change the way in my opinion.

(Madyson Rutherford)

DYNAMIC MODELLING OF GROUND ANTENNAS

DOWNLOAD



Shaker Verlag Jun 2012, 2012. Buch. Book Condition: Neu. 21x14.8x cm. Neuware - In this thesis three simulation models of a GALILEO ground antenna are developed. The model range starts with a simple coupled two-mass oscillator system, goes further to a linear flexible model for small antenna deformations and finally ends at a hybrid multi-body model with full dynamic support and including the non-linear gyroscopic effects. Two flexible antenna drive train models are introduced. The first one uses finite elements and is coupled with the linear flexible antenna model. The second model simulates large dynamic antenna movements and is connected to the hybrid multi-body model. Both drive train models use many degrees of freedom to emphasize their flexible nature. The validation of the simulation models is a major part of this work. With the help of the experimental modal analysis and the sine sweep testing the dynamic properties of the GALILEO antenna are measured. The test data are used to validate the simulation models. The first chapter starts with a short introduction followed by the motivation of the project. Subsequently, the characteristics and specifications of the GALILEO ground antenna are highlighted. The second chapter deals with the theoretical background of the analytical and experimental modal analysis. The used finite elements are briefly discussed. In the third chapter the flexible models of the main antenna components (pedestal, yoke, reflector etc.) are validated with the experimental modal analysis. For this purpose two models for every component were created and evaluated. The first one consists of solid elements and the second one uses beam and shell elements. In the fourth chapter two crossed roller bearings and one spherical roller bearing are modelled with finite elements. Moreover, the first flexible drive train model is introduced. The high transmission ratios between the gears are achieved...



[Read Dynamic Modelling of Ground Antennas Online](#)



[Download PDF Dynamic Modelling of Ground Antennas](#)

Other Kindle Books



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 eBook »](#)



The Java Tutorial (3rd Edition)

Pearson Education, 2001. Softcover. Book Condition: Neu. Gebrauch - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Praise for "The Java' Tutorial, Second Edition" includes: "This book...

[Save eBook »](#)



Adobe Indesign CS/Cs2 Breakthroughs

Peachpit Press, 2005. Softcover. Book Condition: Neu. Gebrauch - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Adobe InDesign is taking the publishing world by storm and...

[Save eBook »](#)



Have You Locked the Castle Gate?

Addison-Wesley Professional. Softcover. Book Condition: Neu. Gebrauch - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Is your computer safe Could an intruder sneak in and steal...

[Save eBook »](#)



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 eBook »](#)

**Oxford Reading Tree Read with Biff, Chip, and Kipper: Phonics: Level 2: I am Kipper (Hardback)**

Oxford University Press, United Kingdom, 2011. Hardback. Book Condition: New. 172 x 144 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling home reading series. It

[Download PDF »](#)

**Sly Fox and Red Hen - Read it Yourself with Ladybird: Level 2 (Paperback)**

Penguin Books Ltd, United Kingdom, 2013. Paperback. Book Condition: New. 222 x 148 mm. Language: N/A. Brand New Book. Sly Fox is hungry and he wants to catch and eat Red Hen. Armed with his

[Download PDF »](#)

**The Princess and the Frog - Read it Yourself with Ladybird**

Paperback. Book Condition: New. Not Signed; A kind frog helps a princess and she makes him a promise. What happens when the king tells her that she has keep her promise? Read it yourself with

[Download PDF »](#)

**Topsy and Tim: The Big Race - Read it Yourself with Ladybird: Level 2**

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Topsy and Tim: The Big Race - Read it Yourself with Ladybird: Level 2, Jean Adamson, This is an enhanced read-along audio ebook from Ladybird. An

[Download PDF »](#)

**Oxford Reading Tree Read with Biff, Chip and Kipper: Phonics: Level 2: Win a Nut! (Hardback)**

Oxford University Press, United Kingdom, 2014. Hardback. Book Condition: New. Mr. Alex Brychta (illustrator). 176 x 148 mm. Language: English . Brand New Book. Read With Biff, Chip and Kipper is the UK s best-selling

[Download PDF »](#)