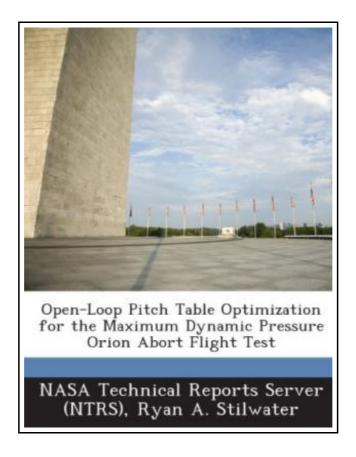
Open-Loop Pitch Table Optimization for the Maximum Dynamic Pressure Orion Abort Flight Test



Filesize: 2.36 MB

Reviews

This book is wonderful. it absolutely was writtern very completely and valuable. Your lifestyle period will be enhance once you full reading this article pdf.

(Alivia Hartmann)

OPEN-LOOP PITCH TABLE OPTIMIZATION FOR THE MAXIMUM DYNAMIC PRESSURE ORION ABORT FLIGHT TEST



BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 48 pages. Dimensions: 9.7in. x 7.4in. x 0.1in.NASA has scheduled the retirement of the space shuttle orbiter fleet at the end of 2010. The Constellation program was created to develop the next generation of human spaceflight vehicles and launch vehicles, known as Orion and Ares respectively. The Orion vehicle is a return to the capsule configuration that was used in the Mercury, Gemini, and Apollo programs. This configuration allows for the inclusion of an abort system that safely removes the capsule from the booster in the event of a failure on launch. The Flight Test Office at NASAs Dryden Flight Research Center has been tasked with the flight testing of the abort system to ensure proper functionality and safety. The abort system will be tested in various scenarios to approximate the conditions encountered during an actual Orion launch. Every abort will have a closed-loop controller with an open-loop backup that will direct the vehicle during the abort. In order to provide the best fit for the desired total angle of attack profile with the open-loop pitch table, the table is tuned using simulated abort trajectories. A pitch table optimization program was created to tune the trajectories in an automated fashion. The program development was divided into three phases. Phase 1 used only the simulated nominal run to tune the open-loop pitch table. Phase 2 used the simulated nominal and three simulated off nominal runs to tune the open-loop pitch table. Phase 3 used the simulated nominal and sixteen simulated off nominal runs to tune the open-loop pitch table. The optimization program allowed for a quicker and more accurate fit to the desired profile as well as allowing for expanded resolution of the pitch table. This item ships from...

- Read Open-Loop Pitch Table Optimization for the Maximum Dynamic Pressure Orion Abort Flight Test Online
- Download PDF Open-Loop Pitch Table Optimization for the Maximum Dynamic Pressure Orion Abort Flight Test

Other Kindle Books



Animalogy: Animal Analogies

Sylvan Dell Publishing. Paperback. Book Condition: New. Cathy Morrison (illustrator). Paperback. 32 pages. Dimensions: 9.8in. x 8.4in. x 0.4in.Compare and contrast different animals through predictable, rhyming analogies. Find the similarities between even the most incompatible...

Download PDF »



DK Readers Robin Hood Level 4 Proficient Readers

DK CHILDREN. Paperback. Book Condition: New. Nick Harris (illustrator). Paperback. 48 pages. Dimensions: 8.4in. x 5.7in. x 0.2in.Discover the rollicking exploits of Robin and his merry men as they take from the rich and give...

Download PDF »



The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up

B&H Kids. Hardcover. Book Condition: New. Cory Jones (illustrator). Hardcover. 32 pages. Dimensions: 9.1in. x 7.2in. x 0.3in.Oh sure, well all heard the story of Jonah and the Whale a hundred times. But have we...

Download PDF »



God Loves You. Chester Blue

Henry and George Press. Paperback. Book Condition: New. Ursula Andrejczuk (illustrator). Paperback. 140 pages. Dimensions: 8.0in. x 5.2in. x 0.3in.BEAUTIFUL NEW ILLUSTRATIONS BRING THE STORY TO LIFE!A charming book about a mysterious bear that shows...

Download PDF »



Good Night, Zombie Scary Tales

Feiwel & Friends. Paperback. Book Condition: New. Iacopo Bruno (illustrator). Paperback. 112 pages. Dimensions: 8.2in. x 5.4in. x 0.2in. Welcome. Have a seat. Ignore the shambling undead outside. Let us tell you a story. But be...

Download PDF »



Passing Judgement Short Stories about Serving Justice

Isinglass Press. Paperback. Book Condition: New. Paperback. 102 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.Passing Judgment is a compact collection of twelve short stories about people who deliver their own form of justice. These are

Read Book »



Silverlight 5 in Action

Manning Publications. Paperback. Book Condition: New. Paperback. 1000 pages. Dimensions: 9.2in. x 7.3in. x 2.0in.Summary A thorough revision of the bestselling Silverlight 4 in Action. This comprehensive guide teaches Silverlight from the ground up, covering

Read Book »



By the Fire Volume 1

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 130 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.By the Fire is an exciting new Bi-Monthly publication featuring new works by

Read Book »



Marm Lisa

Echo Library. Paperback. Book Condition: New. Paperback. 80 pages. Dimensions: 9.0in. x 6.0in. x 0.2in.Kate Douglas Wiggin, nee Smith (1856-1923) was an American childrens author and educator. She was born in Philadelphia, and was of

Read Book »



Molly on the Shore, BFMS 1 Study score

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 26 pages. Dimensions: 9.7in. x 6.9in. x 0.3in.Percy Grainger, like his contemporary Bela Bartok, was intensely interested in folk music and became a member of the English

Read Book »