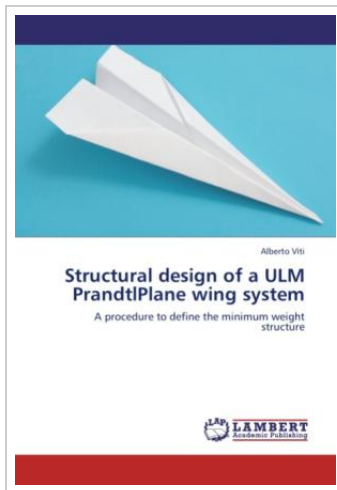




Structural design of a ULM PrandtlPlane wing system : A procedure to define the minimum weight structure

By Alberto Viti

LAP Lambert Academic Publishing Okt 2011, 2011. Taschenbuch. Condition: Neu. This item is printed on demand - Print on Demand Neuware - In the last years, the increasing cost of fuel and the need for a reduction in air traffic pollution has led civil aviation to move its attention toward the construction of more efficient aircraft. In order to achieve this goal, the aeronautic industries have usually tried to improve aerodynamics and to build lighter structures but, recently several solutions have been proposed in order to lead a radical change in the standard aircraft configuration. This thesis aims to examine the configuration called PrandtlPlane, the task is to optimize the wing structure of a non conventional ULM starting from a PrandtlPlane prototype. The first part of this manuscript gives an introduction about the main features of a PrandtlPlane aircraft. The second part depicts all the features of the prototype, while the third ones aims to describe the design process and how it is implemented. Finally, in the last part of this job the results of the design process will be verified through a finite element analysis. The analysis done allows a comparison between the prototype and the new structure,...



READ ONLINE

[4.64 MB]

Reviews

This book is definitely worth acquiring. Yes, it is enjoy, still an amazing and interesting literature. Its been written in an remarkably basic way and is particularly simply soon after i finished reading through this pdf where actually changed me, affect the way in my opinion.

-- **Murray Marquardt**

An incredibly awesome ebook with perfect and lucid answers. It can be loaded with knowledge and wisdom You may like how the article writer compose this ebook.

-- **Mr. Chadd Bashirian V**

Related Books



[It's Just a Date: How to Get 'em, How to Read 'em, and How to Rock 'em](#)

HarperCollins Publishers. Paperback. Book Condition: new. BRAND NEW, It's Just a Date: How to Get 'em, How to Read 'em, and How to Rock 'em, Greg Behrendt, Amiira Ruotola-Behrendt, A fabulous new guide to dating co-authored by Greg Behrendt, former writer on...



[Runners World Guide to Running and Pregnancy How to Stay Fit Keep Safe and Have a Healthy Baby by Chris Lundgren 2003 Paperback Revised](#)

Book Condition: Brand New. Book Condition: Brand New.



[All My Fault: The True Story of a Sadistic Father and a Little Girl Left Destroyed](#)

Ebury Publishing. Paperback. Book Condition: new. BRAND NEW, All My Fault: The True Story of a Sadistic Father and a Little Girl Left Destroyed, Audrey Delaney, 'I could see what he was doing to the other girls because he had been doing...



[Diary of a Blaze Boy: The War Between Mobs and Miners: An Unofficial Minecraft Family War Story \(Adventure, Friendship, Monsters, Nether, Herobrine Books\)](#)

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book. An epic war has broken out and NO ONE IS SAFE! Byhaven was once a peaceful city, but that all changed when the war...



[Hoops to Hippos!: True Stories of a Basketball Star on Safari](#)

National Geographic Kids, United Kingdom, 2015. Paperback. Book Condition: New. 190 x 130 mm. Language: English . Brand New Book. NBA star Boris Diaw of the San Antonio spurs takes young readers on safari as he explores his off-court passion: wildlife photography!...



[Diary of a Potion Maker \(Book 2\): Jail Break \(an Unofficial Minecraft Book for Kids Ages 9 - 12 \(Preteen\)](#)

Createspace Independent Publishing Platform, United States, 2016. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book. GENRE: Childrens Adventure (An Unofficial Minecraft Book for Kids Ages 9 - 12 (Preteen) Verita is back in her second diary....