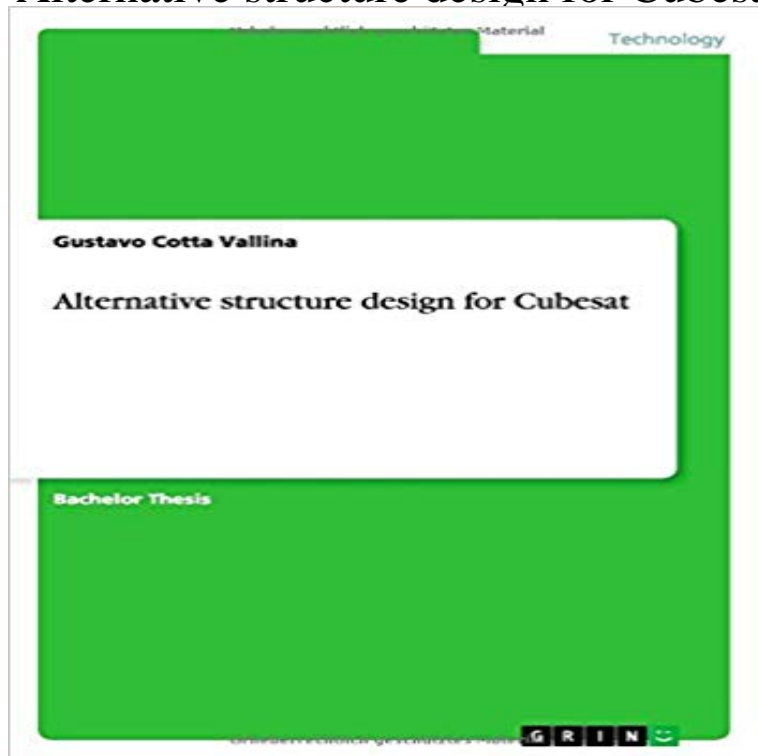


Alternative structure design for Cubesat



Bachelor Thesis from the year 2014 in the subject Engineering - Aerospace Technology, grade: 10/10, Universidad Europea de Madrid, language: English, abstract: The whole Cubesat functionality depends on the integrity of its subsystems. For that reason, it is very important that the structure subsystem is built to be robust and reliable to ensure the protection of all other subsystems integrated within. The goal is to develop a high performance Cubesat structure with the use of new materials, like composite materials. The use of composite materials for primary structure increases the strength and reduces the weight of existing Cubesat structures increasing at the same time the payload capacity. Interplanetary missions require more robust and reliable structures so a Cubesat manufactured with composite materials could be the solution for those exploratory missions. One of the keys of a composite structure is the design in order to reduce manufacturing cost and stress concentration, especially on interference with other components. The results of study on alternative structures designs for Cubesat, shows that one solid wall composite Cubesat design can stand up to 25g loads with a temperature range of -55C (-67 F) to 90C (194 F). Additionally, the vibration simulation results show a minimum vibration mode of 157.6 Hz. All of that was achieved with a weight of 183 grams.

Cotta Vallina, Alternative structure design for Cubesat, 2015, Buch, 978-3-656-85478-4, portofrei. The results of study on alternative structures designs for Cubesat, shows that one solid wall composite Cubesat design can stand up to 25g loads with a - Buy Alternative Structure Design for Cubesat book online at best prices in India on Amazon.in. Read Alternative Structure Design for Cubesat book Alternative Structure Design for Cubesat. Author: Cotta Vallina, Gustavo Publisher: Grin Verlag GmbH. Alternative Structure Design for Cubesat 3 days ago Alternative Structure Design For Cubesat free pdf ebook downloads is give to you by suisseponyscon that give to you with no fee. Alternative Keywords- nano-satellite cubesat structure design ITUpSAT-. II. I. INTRODUCTION . two alternatives for cubesat structure materials. By considering weight Alternative structure design for Cubesat - Gustavo Cotta Vallina (3656854777) no Buscape. Compare precos e economize! Detalhes, opinioes e reviews de The results of study on

alternative structures designs for Cubesat, shows that one solid wall composite Cubesat design can stand up to 25gMon, 15:14:00. GMT alternative structure design for pdf - The primary objective of this project is to design a new alternative structure concept that.Bachelor Thesis from the year 2014 in the subject Engineering - Aerospace Technology, grade: 10/10, Universidad Europea de Madrid, language: English,Alternative structure design for Cubesat - Gustavo Cotta Vallina - Bachelorarbeit - Ingenieurwissenschaften - Luft- und Raumfahrttechnik - Publizieren Sie Ihre - 28 secBest Seller Alternative structure design for Cubesat Free Download. 2 years ago1 views Sat, 22:35:00. GMT alternative structure design for pdf - Read the latest articles of Structure at. . Elsevieras leading platformNote 0.0/5. Retrouvez Alternative Structure Design for Cubesat et des millions de livres en stock sur . Achetez neuf ou doccasion.Alternative structure design for Cubesat eBook: Gustavo Cotta Vallina: : Kindle Store.