



## Design,Optimization and Analysis of Rocker-Bogie Stair Climbing Robot

By Maske, Yogesh / Patil, Sanjaysingh Vijaysingh

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Using Taguchi Method and ANSYS Rigid Dynamics | In recent years, many robotic platforms have been designed for structure and uneven terrains to carry out military, defense and Intelligence operations. But it is difficult to operate them in structured terrain especially when dimension of stairs are changing from place to place as per building and construction norms. If we work on this limitation of robotic platform to climb against variable dimensions of stairs, then it is possible to build a locomotive strategy which can overcome all sizes of stairs. This book deals with the designing and manufacturing of stair climbing robot based on the well-known rocker bogie mechanism. It is important to note that trajectory of center of mass serve as a tool for effectively predicting such undesirable phenomenon which is likely to occur at the moment the trajectory of center of mass drastically or discontinuously changes. Therefore it is highly required to make trajectory of center of mass as smooth as possible which implies trajectory of center of mass must be close to a straight line whose slope is determined by slope of stair or step. | Format: Paperback | Language/Sprache: english...



**READ ONLINE**  
[ 8.46 MB ]

### Reviews

*Absolutely essential go through book. It can be rally fascinating throug studying period of time. You wont truly feel monotony at at any time of your respective time (that's what catalogues are for concerning in the event you question me).*

*-- Roberto Leannon*

*This sort of publication is everything and made me seeking forward and much more. Better then never, though i am quite late in start reading this one. I am easily could possibly get a delight of reading through a created pdf.*

*-- Quinton Balistreri*

## Other eBooks



### **The genuine book marketing case analysis of the the lam light. Yin Qihua Science Press 21.00(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2007-01-01 Pages: 244 Publisher: Science Press Welcome Our service and quality to your satisfaction. please tell your friends...



### **Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]**

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



### **Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]**

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



### **Kingfisher Readers: Pirates (Level 4: Reading Alone) (Unabridged)**

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: Pirates (Level 4: Reading Alone) (Unabridged), Philip Steele, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to the sphere of learning to read. This new graded reading scheme...



### **Kingfisher Readers: Ancient Egyptians (Level 5: Reading Fluently)**

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: Ancient Egyptians (Level 5: Reading Fluently), Philip Steele, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to the sphere of learning to read. This new graded reading scheme...



### **Would It Kill You to Stop Doing That?**

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years ago, humorist and journalist Henry Alford found...