

Types of Small Hydro Projects



RETSCREEN® INTERNATIONAL

www.retscreen.net

- Type of grid
 - ▶ Central-grid
 - ▶ Isolated-grid or off-grid
- Type of civil works
 - ▶ Run-of-river
 - No water storage
 - Power varies with flow available from river: lower firm capacity
 - ▶ Reservoir
 - Higher firm capacity year round
 - Significant damming usually required

17.6-MW Run-of-River Hydro Project,
Massachusetts, USA

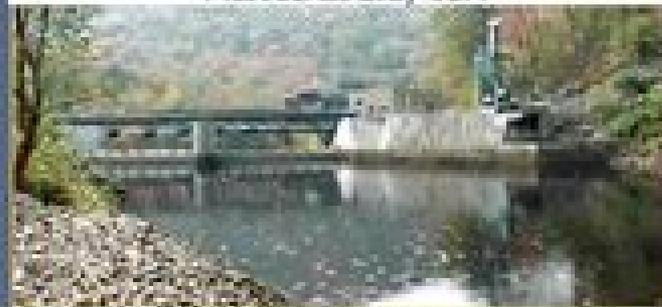


Photo Credit: PGE, National Energy Group/
Low Impact Hydropower Institute

4.3-MW Run-of-River Hydro Project,
Oregon, USA



Photo Credit: Frontier Technology/Low Impact Hydropower Institute

Small Hydro Project Analysis

Jianjun Gao



Small Hydro Project Analysis:

Small Hydro Project Analysis Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Small Hydro Project Analysis**," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

https://matrix.jamesarcher.co/data/virtual-library/HomePages/ajoy_ghatak_optics_solutions_download.pdf

Table of Contents Small Hydro Project Analysis

1. Understanding the eBook Small Hydro Project Analysis
 - The Rise of Digital Reading Small Hydro Project Analysis
 - Advantages of eBooks Over Traditional Books
2. Identifying Small Hydro Project Analysis
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Small Hydro Project Analysis
 - User-Friendly Interface
4. Exploring eBook Recommendations from Small Hydro Project Analysis
 - Personalized Recommendations
 - Small Hydro Project Analysis User Reviews and Ratings
 - Small Hydro Project Analysis and Bestseller Lists

5. Accessing Small Hydro Project Analysis Free and Paid eBooks
 - Small Hydro Project Analysis Public Domain eBooks
 - Small Hydro Project Analysis eBook Subscription Services
 - Small Hydro Project Analysis Budget-Friendly Options
6. Navigating Small Hydro Project Analysis eBook Formats
 - ePub, PDF, MOBI, and More
 - Small Hydro Project Analysis Compatibility with Devices
 - Small Hydro Project Analysis Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Small Hydro Project Analysis
 - Highlighting and Note-Taking Small Hydro Project Analysis
 - Interactive Elements Small Hydro Project Analysis
8. Staying Engaged with Small Hydro Project Analysis
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Small Hydro Project Analysis
9. Balancing eBooks and Physical Books Small Hydro Project Analysis
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Small Hydro Project Analysis
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Small Hydro Project Analysis
 - Setting Reading Goals Small Hydro Project Analysis
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Small Hydro Project Analysis
 - Fact-Checking eBook Content of Small Hydro Project Analysis
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Small Hydro Project Analysis Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Small Hydro Project Analysis PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal

growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Small Hydro Project Analysis PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Small Hydro Project Analysis free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About Small Hydro Project Analysis Books

What is a Small Hydro Project Analysis PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. **How do I create a Small Hydro Project Analysis PDF?** There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. **Print to PDF:** Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. **Online converters:** There are various online tools that can convert different file types to PDF. **How do I edit a Small Hydro Project Analysis PDF?** Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. **How do I convert a Small Hydro Project Analysis PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobat's export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. **How do I password-protect a Small Hydro Project Analysis PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as:

LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, I LovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific software or tools, which may or may not be legal depending on the circumstances and local laws.

Find Small Hydro Project Analysis :

ajoy ghatak optics solutions download

alfreds basic piano library flash cards bk 1a and 1b

algebra and trigonometry blitzler pearson school

al hidayah the guidance

ame 10 problem and solutions

all unix commands with examples download download

afrikaans graad 3 begripstoets vraestelle

american jurisprudence 2d state federal full complete set volumes 1 82 plus general index a z new topic service table of statues and rules cited desk book equityinjunctons

alfreds self teaching adult piano course the new easy and fun way to teach yourself to play author willard palmer published on july 2008

air circuit breaker manual areva hwx 138 197 40 88

algorithms for interviews

algorithms 4th edition torrent

agile principles patterns and practices in c robert martin

america a narrative history brief 9th edition

africa in world history 3rd edition

Small Hydro Project Analysis :

knitted baby booties by val pierce 9781844486410 - Feb 19 2022

web my name is val pierce and my passion for knitting and crochet began as a little girl when i used to sit and watch my mother busy clicking away at age five my dad sat and

one stitch baby knits 22 easy patterns for adorable garments - Mar 23 2022

web jun 11 2019 one stitch baby knits features 25 simple patterns for practical but adorable baby knits designed for small babies aged 0 18 months each garment is made entirely

cutest ever toddler knits amazon co uk val pierce - Sep 28 2022

web view all knitting patterns by val pierce at let s knit magazine

ravelry designs by val pierce - Oct 10 2023

web val pierce patterns designers val pierce designer portfolio designs 311 love knitting for baby may 2017 2 6 1 lovely layette knit today magazine no 118

ravelry cutest ever baby knits patterns - Apr 04 2023

web cutest ever baby knits over 20 adorable projects to knit by val pierce oct 1 2011 hardcover 4 4 4 4 out of 5 stars 246 ratings see all formats and editions

one stitch baby knits booktopia - May 25 2022

web get this from a library one stitch baby knits 22 easy patterns for adorable garments and accessories using garter stitch val pierce contains information on simple knitting

val pierce baby knits data northitalia com - Nov 18 2021

one stitch baby knits 22 easy patterns for adorable - Jan 01 2023

web oct 13 2011 size 155x215 mm rrp series twenty to make 20 to knit knitted baby booties 4 99 by val pierce book description no one can resist knitting a pretty pair

search press 20 to knit knitted baby booties by val pierce - Nov 30 2022

web a specially commissioned collection from val pierce that makes working delightful baby knits a breeze knitted garments and nursery accessories for babies are a perennial

cutest ever baby knits by val pierce ebook everand - Sep 09 2023

web read cutest ever baby knits by val pierce with a free trial read millions of ebooks and audiobooks on the web ipad iphone and android an irresistible collection of utterly

cutest ever baby knits more than 25 adorable projects to knit - May 05 2023

web val pierce 2 20 berrylicious baby val pierce bumble bee baby val pierce christening bib

val pierce designers let s knit magazine - Jul 27 2022

web jul 1 2019 welcome your new baby to the world with lovingly knitted garments and accessories this book is filled with easy to knit projects you ll want to make for the

cutest ever baby knits more than 25 adorable projects to knit - Jun 06 2023

web cutest ever baby knits more than 25 adorable projects to knit kapak resmi deęisebilir pierce val amazon com tr kitap ana içerięe atla com tr merhaba teslimat adresini

one stitch baby knits 22 easy patterns for adorable - Aug 28 2022

web oct 1 2011 4 10 51 ratings4 reviews a specially commissioned collection from val pierce that makes working delightful baby knits a breeze knitted garments and nursery

cutest ever baby knits over 20 adorable projects to knit - Jun 25 2022

web jun 10 2019 top knitwear designer and author val pierce presents 22 simple patterns for practical but adorable baby knits from booties to hats to blankets whether it s a kimono

cutest ever baby knits over 20 adorable projects to - Jul 07 2023

web dec 1 2016 val pierce cutest ever baby knits more than 25 adorable projects to knit kindle edition by val pierce author format kindle edition 4 4 246 ratings see all

[cutest ever baby knits over 20 adorable projects to knit](#) - Oct 30 2022

web val pierce cutest ever toddler knits hardcover 5 mar 2013 by val pierce author 4 3 102 ratings see all formats and editions

[one stitch baby knits 22 easy patterns for adorable ga](#) - Apr 23 2022

web knitted baby booties by val pierce 9781844486410 penguinrandomhouse com books no one can resist knitting a pretty pair of baby booties for a new baby so here

[one stitch baby knits by val pierce 9781504801102](#) - Jan 21 2022

web val pierce baby knits 3 3 printing office this book is filled with cute easy knits with a vintage feel there are knitting patterns for seven different adorable animal toys a

one stitch baby knits by val pierce used - Feb 02 2023

web jun 11 2019 this book is filled with easy to knit projects you ll want to make for the baby in your life top knitwear designer and author val pierce presents 25 simple patterns for

cutest ever baby knits over 20 adorable projects to knit by val - Mar 03 2023

web one stitch baby knits by val pierce reviews add to cart 7 10 new rrp 14 99 condition very good 5 in stock very good

summary one stitch baby knits

crossed needles needlecraft knitting and crochet - Dec 20 2021

one stitch baby knits by val pierce overdrive - Aug 08 2023

web jun 11 2019 one stitch baby knits features 25 simple patterns for practical but adorable baby knits designed for small babies aged 0 18 months each garment is made entirely

into that silent sea trailblazers of the space era 1961 1965 on - Jun 13 2023

web in april 1961 a human being rocketed into space for the first time and in march 1965 another human floated out of a spacecraft on the first ever spacewalk the technological political and cultural momentum behind these two historic events and the steps taken in between them have already been well chronicled

into that silent sea trailblazers of the space er unesco copy - Dec 27 2021

web into that silent sea trailblazers of the space er and numerous book collections from fictions to scientific research in any way in the middle of them is this into that silent sea trailblazers of the space er that can be your partner beans bullets and black oil worrall reed carter 1953 in the shadow of the moon francis french 2007

into that silent sea trailblazers of the space era - Aug 15 2023

web apr 25 2021 non fiction book by space historians francis french and colin burgess drawing on a number of original personal interviews with astronauts cosmonauts and those who worked closely with them the book chronicles the american and russian programs from 1961 onwards from the first human spaceflight of yuri gagarin through the mercury

project muse into that silent sea - Oct 05 2022

web into that silent sea trailblazers of the space era 1961 1965 francis french published by university of nebraska press series outward odyssey a people s history of spaceflight series view it was a time of bold new technology historic moments and international jousting on the final frontier

into that silent sea wikipedia - Nov 06 2022

web into that silent sea into that silent sea trailblazers of the space era 1961 1965 is a 2007 non fiction book by space historians francis french and colin burgess drawing on a number of original personal interviews with astronauts cosmonauts and those who worked closely with them the book chronicles the american and russian programs from

into that silent sea trailblazers of the space era 1961 1965 by - Dec 07 2022

web into that silent sea trailblazers of the space era 1961 1965 by francis french and colin burgess

into that silent sea trailblazers of the space era 1961 1965 - Apr 11 2023

web these are the moments and the lives that into that silent sea captures a book that tells the intimate stories of the men and

women american and russian who made the space race their own and gave the era its compelling character

into that silent sea trailblazers of the space era 1961 1965 - May 12 2023

web apr 23 2007 into that silent sea trailblazers of the space era 1961 1965 outward odyssey a people s history of s by francis french colin burgess

into that silent sea trailblazers of the space era 1961 1965 - Jul 14 2023

web dec 1 2019 a complement to their in the shadow of the moon a challenging journey to tranquility 1965 1969 lincoln university of nebraska 2007 francis french and colin burgess s into that silent sea cov

into that silent sea trailblazers of the space era 1961 1965 - Jan 08 2023

web sep 1 2009 this series outward odyssey a people s history of spaceflight into that silent sea was both entertaining and educational learning about the crew and astronauts lives brought new insight to the

into that silent sea trailblazers of the space era 1961 1965 on - Mar 10 2023

web it was a time of bold new technology historic moments and international jousting on the final frontier but it was also a time of human drama of moments less

into that silent sea trailblazers of the space era 1961 1965 - Feb 09 2023

web sep 1 2009 into that silent sea trailblazers of the space era 1961 1965 outward odyssey a people s history of spaceflight french francis burgess colin haney paul on amazon com free shipping on qualifying offers

into that silent sea trailblazers of the space era 1961 1965 - Jul 02 2022

web jan 1 2007 into that silent sea trailblazers of the space era 1961 1965 authors f french abstract it was a time of bold new technology historic moments and international jousting on the final

into that silent sea trailblazers of the space era 1961 1965 - Apr 30 2022

web into that silent sea trailblazers of the space era 1961 1965 authors francis french colin burgess summary a history of early space flight focuses on the careers of both american astronauts and soviet cosmonauts and includes coverage of other persons who worked in support roles

into that silent sea trailblazers of the space era 1961 1965 - Feb 26 2022

web buy into that silent sea trailblazers of the space era 1961 1965 outward odyssey a people s history of spaceflight illustrated by french francis burgess colin haney paul isbn 9780803226395 from amazon s book store everyday low prices and free delivery on eligible orders

into that silent sea trailblazers of the space era 1961 1965 - Jan 28 2022

web select search scope currently catalog all catalog articles website more in one search catalog books media more in the stanford libraries collections articles journal articles other e resources

[project muse into that silent sea trailblazers of the space era](#) - Jun 01 2022

web francis french colin burgess into that silent sea trailblazers of the space era 1961 1965 lincoln ne university of nebraska press 2007 397 pp 29 95

[into that silent sea trailblazers of the space era 1961 1965 goodreads](#) - Sep 04 2022

web into that silent sea trailblazers of the space era 1961 1965 by francis french colin burgess paul haney foreword 4 35 rating details 191 ratings 25 reviews it was a time of bold new technology historic moments and international jousting on the final frontier

into that silent sea trailblazers of the space era - Mar 30 2022

web jan 1 2011 download citation into that silent sea trailblazers of the space era 1961 1965 review a complement to their in the shadow of the moon a challenging journey to tranquility

into that silent sea nebraska press - Aug 03 2022

web into that silent sea is an excellent reminder of just what gagarin and other trailblazers did and how they became international celebrities in their own right we seem to have forgotten just how new the frontier of space was

[at the edge riding for my life hardcover 29 sept 2016](#) - Jul 17 2023

sep 29 2016 buy at the edge riding for my life by macaskill danny isbn 9780241206522 from amazon s book store everyday low prices and free delivery on eligible orders

at the edge riding for my life paperback barnes noble - Oct 08 2022

apr 1 2018 danny macaskill is legendary for his youtube viral videos like the ridge cascadia and imagine nerve racking montages of stunts which scale mountain peaks rooftops ghost towns and movie sets his life is one of thrills bloody spills and millions of online hits it hasn t been an easy ride

at the edge riding for my life danny macaskill google books - Jun 16 2023

sep 29 2016 danny macaskill lives on the edge the cyclist is legendary for his youtube viral videos like the ridge nerve jangling blurs of stunts and speed over towering buildings and mountain peaks his

[9780241973264 at the edge riding for my life abebooks](#) - Jan 11 2023

he has spent his life pushing the extremes somehow he s still around to tell the tale in this unflinching memoir of mayhem danny shares his anarchic childhood on the isle of skye and early days as a street trials rider takes us behind the scenes of his training and videos shares never seen before sketches from his personal notebook and

at the edge riding for my life danny macaskill google books - Mar 01 2022

he has spent his life pushing the extremes somehow he s still around to tell the tale in this unflinching memoir of mayhem danny shares his anarchic childhood on the isle of skye and early days as a street trials rider takes us behind the scenes of

his training and videos shares never seen before sketches from his personal notebook and

at the edge riding for my life amazon de - May 03 2022

his life is one of thrills bloody spills and millions of online hits it hasn t been an easy ride doubt stress and the what if factor circle every trailblazing trick which require imagination fearlessness groundbreaking techniques and an eye for a good camera angle

at the edge riding for my life by danny macaskill booktopia - Apr 02 2022

nov 21 2017 booktopia has at the edge riding for my life by danny macaskill buy a discounted paperback of at the edge online from australia s leading online bookstore

at the edge riding for my life amazon com au - Jun 04 2022

hello sign in account lists returns orders cart

at the edge riding for my life softcover abebooks - Jul 05 2022

abebooks com at the edge riding for my life 9780241973264 by macaskill danny and a great selection of similar new used and collectible books available now at great prices at the edge riding for my life macaskill danny 9780241973264 abebooks

at the edge riding for my life paperback amazon co uk - Mar 13 2023

buy at the edge riding for my life illustrated by macaskill danny isbn 9780241973264 from amazon s book store everyday low prices and free delivery on eligible orders

at the edge riding for my life by danny macaskill goodreads - Nov 09 2022

at the edge riding for my life danny macaskill 4 12 233 ratings19 reviews want to read kindle 10 49 rate this book danny macaskill lives on the edge the cyclist is legendary for his youtube viral videos like the ridge cascadia and nerve jangling blurs of stunts and speed over towering buildings and mountain peaks

at the edge riding for my life kindle edition amazon co uk - Apr 14 2023

4 6 438 ratings see all formats and editions i ve already had my nine lives on the bike danny macaskill lives on the edge the cyclist is legendary for his youtube viral videos like the ridge nerve jangling blurs of stunts and speed over towering buildings and mountain peaks

at the edge riding for my life kindle edition amazon com au - Dec 10 2022

danny macaskill lives on the edge the cyclist is legendary for his youtube viral videos like the ridge nerve jangling blurs of stunts and speed over towering buildings and mountain peaks his life is one of thrills bloody spills and millions of online hits it hasn t been an easy ride

at the edge riding for my life macaskill danny author free - Sep 07 2022

danny macaskill lives on the edge the cyclist is legendary for his youtube viral videos like the ridge cascadia and imagine

nerve racking montages of stunts which scale everything from mountain peaks rooftops ghost towns and movie sets
at the edge riding for my life by macaskill danny amazon ae - Aug 06 2022

buy at the edge riding for my life by macaskill danny online on amazon ae at best prices fast and free shipping free returns
cash on delivery available on eligible purchase

at the edge riding for my life kindle edition amazon com - May 15 2023

sep 29 2016 at the edge riding for my life kindle edition i ve already had my nine lives on the bike danny macaskill lives on
the edge the cyclist is legendary for his youtube viral videos like the ridge nerve jangling blurs of stunts and speed over
towering buildings and mountain peaks

at the edge riding for my life hardcover abebooks - Feb 12 2023

his life is one of thrills bloody spills and millions of online hits it hasn t been an easy ride fear stress and the what if factor
circle every trailblazing trick which require imagination

at the edge by danny macaskill used 9780241973264 wob - Jan 31 2022

buy at the edge riding for my life by danny macaskill available in used condition with free delivery in the uk isbn
9780241973264 isbn 10 0241973260

at the edge riding for my life amazon com tr - Sep 19 2023

at the edge riding for my life danny macaskill amazon com tr kitap Çerez tercihlerinizi seçin Çerez bildirimimizde ayrıntılı
şekilde açıklandığı üzere alışveriş yapmanızı sağlamak alışveriş deneyiminizi iyileştirmek ve hizmetlerimizi sunmak için
gerekli olan çerezleri ve benzer araçları kullanırız

at the edge riding for my life amazon com - Aug 18 2023

apr 1 2018 danny macaskill is legendary for his youtube viral videos like the ridge cascadia and imagine nerve racking
montages of stunts which scale mountain peaks rooftops ghost towns and movie sets his life is one of thrills bloody spills and
millions of online hits it hasn t been an easy ride