

**THE**  
**JOURNEY**  
**BACK**



# Journey Back

**Victor M. Corman**



**Journey Back:**

## **Journey Back** Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the power of words has become more evident than ever. They have the ability to inspire, provoke, and ignite change. Such is the essence of the book **Journey Back**, a literary masterpiece that delves deep into the significance of words and their effect on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book's key themes, examine its writing style, and analyze its overall effect on readers.

[https://cheaperseeker.com/files/book-search/default.aspx/topcon\\_hiper\\_user\\_manual.pdf](https://cheaperseeker.com/files/book-search/default.aspx/topcon_hiper_user_manual.pdf)

### **Table of Contents Journey Back**

1. Understanding the eBook Journey Back
  - The Rise of Digital Reading Journey Back
  - Advantages of eBooks Over Traditional Books
2. Identifying Journey Back
  - 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 eBook Platform
  - User-Friendly Interface
4. Exploring eBook Recommendations from Journey Back
  - Personalized Recommendations
  - Journey Back User Reviews and Ratings
  - Journey Back and Bestseller Lists
5. Accessing Journey Back Free and Paid eBooks

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

### **Journey Back 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 Journey Back 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 Journey Back 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 Journey Back 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 Journey Back Books

**What is a Journey Back 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 Journey Back 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 Journey Back 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 Journey Back PDF to another file format?** There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats 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 Journey Back 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, ILovePDF, 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 Journey Back :

[topcon hiper user manual](#)

**key papers in information science**

[porsche 911 carrera 1995 repair service manual](#)

**1970 massey ferguson 165 manual**

[ecological stress and the new york bight science and management](#)

*good fishing in the catskills*

**wiring engine g16a**

**historic roads**

**ingersoll 4020ps parts manual**

[osha safety manual for construction](#)

**porsche 911 carrera 996 complete official factory service repair workshop manual**

*355d john deere tech manuel*

**2008 ap bio exam answers**

[bosch ahr 1500 pressure washer manual](#)

**199mercedes clk32service repair manual 99**

### Journey Back :

**dictionnaire de rimes et petit traité de versification by damien** - Jul 23 2023

web april 19th 2020 the myth of the fixed form villanelle kane if one examined the edition of richeletâ s dictionnaire de rimes de 1761 Ã 1776 outre une nouvelle édition du dictionnaire des rimes de richelet un supplément au dictionnaire de trévoux 1752 et un bon abrégé de ce dictionnaire support tautrust org 2 11

---

[dictionnaire de rimes et petit traité de versification by damien](#) - Aug 24 2023

web dictionnaire de rimes et petit traité de versification by damien panerai la série mémo propose des ouvrages de références inédits complets et accessibles pour apprendre comprendre ou se perfectionner dans les grands domaines du savoir

[télécharger dictionnaire de rimes gratuit clubic](#) - Feb 06 2022

web jun 12 2023 avec 12 000 mots dans la version complète dictionnaire de rimes est un excellent outil pour ceux qui jonglent au quotidien avec la langue française dictionnaire de rimes en plus de permettre

[dictionnaire de rimes et petit traité c de versif nysm pfi](#) - Mar 19 2023

web grand dictionnaire des rimes françaises enrichi des nouveaux termes de la langue de tous ceux provenant des langues étrangères et donnant pour la première fois la définition spéciale de tous les termes en général

*dictionnaire de rimes et petit traité c de versif pdf* - Jun 22 2023

web dictionnaire de rimes et petit traité c de versif pamphlets on biology jan 16 2021 this work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it this work was reproduced from the original artifact and remains as true to the original work as possible

**dictionnaire de rimes et petit traité c de versif copy usa** - Mar 07 2022

web grand dictionnaire des rimes françaises enrichi des nouveaux termes de la langue de tous ceux provenant des langues étrangères et donnant pour la première fois la définition spéciale de tous les termes en général

**dictionnaire de rimes et petit traité c de versif full pdf** - Apr 20 2023

web dictionnaire de rimes et petit traité c de versif boyer s royal dictionary abridged the eighteenth edition carefully corrected and improved by j c prier nov 24 2019 jets tubes et canaux may 11 2021 study package for indian air force airmen group x y technical non technical trades exam with 3 online sets feb 05 2021

**dictionnaire de rimes** - Oct 14 2022

web trouvez des mots qui sonnent bien ensemble même s'ils ne forment pas une rime parfaite saisissez un mot une terminaison ou une expression de plusieurs mots et le dictionnaire de rimes vous donnera des homophonies sur plusieurs syllabes rimes solides v12 2 2023 Éric desrosiers politique de confidentialité mentions légales

[dictionnaire de rimes et petit traité c de versif uniport edu](#) - Jan 05 2022

web mar 20 2023 favorite books in the manner of this dictionnaire de rimes et petit traité c de versif but end occurring in harmful downloads rather than enjoying a fine book with a mug of coffee in the afternoon on the other hand they juggled similar to some harmful virus inside their computer dictionnaire de rimes et petit traité c de versif is to hand

[dictionnaire de rimes et petit traité de versification by damien](#) - Feb 18 2023

web may 16 2023 dictionnaire de rimes et petit traité de versification by damien panerai dictionnaire de rimes et petit traité de versification by damien panerai full text of dictionnaire universel d histoire et de full text of dictionnaire de rimes de traduction de dfinition de dictionnaire lidologie et lutope selon paul ricur 1 cincivox full text of

[dictionnaire de rimes et petit traita c de versif pdf 198 58 106](#) - Sep 13 2022

web dec 26 2022 dictionnaire de rimes et petit traita c de versif 2 4 downloaded from 198 58 106 42 on december 26 2022 by guest the princeton encyclopedia of poetry and poetics stephen cushman 2012 08 26 the most important poetry reference for more than four decades now fully updated for the twenty first century through

**dictionnaire de rimes wikipédia** - Aug 12 2022

web dictionnaire des rimes orales et écrites par léon warnant éd larousse 1973 dictionnaire de rimes précédé d un petit traité de versification française par p desfeuilles éd garnier frères 1933 1961 rééd 1981 isbn 2 7050 0107 7 grand

dictionnaire des rimes françaises par ferdinand morandini d eccatage éd

*dictionnaire de rimes et petit traita c de versif copy uniport edu* - Jan 17 2023

web merely said the dictionnaire de rimes et petit traita c de versif is universally compatible with any devices to read césar livres i vii des commentaires sur la guerre des gaules livres 1 4 julius caesar 1886 sophocle sophocle 1883 des lois marcus tullius cicero 1881 l Énéide virgil 1873

**dictionnaire de rimes et petit traita c de versif pdf uniport edu** - Apr 08 2022

web jun 5 2023 dictionnaire de rimes et petit traita c de versif 2 3 downloaded from uniport edu ng on june 5 2023 by guest important poetry reference for more than four decades now fully updated for the twenty first century through three editions over more than four decades the princeton encyclopedia of poetry and poetics

*dictionnaire de rimes et petit traita c de versif uniport edu* - Jul 11 2022

web jul 12 2023 dictionnaire de rimes et petit traita c de versif 3 3 downloaded from uniport edu ng on july 12 2023 by

guest catalogue gnral de la librairie franaise 1840 1875 table des matires otto henri lorenz 1880 l nide virgil 1873

bibliographie de la france ou journal gnral de l imprimerie et de la librairie 1886

**dictionnaire de rimes et petit traita c de versif uniport edu** - Jun 10 2022

web aug 18 2023 dictionnaire des rimes précède d un nouveau traité de la versification française et suivi d un essai sur la langue poétique louis philipon de la madelaine 1844

*dictionnaire de rimes et petit traita c de versif pdf copy* - Nov 15 2022

web mar 16 2023 dictionnaire de rimes et petit traita c de versif pdf dictionnaire des rimes louis philipon de la madelaine 1844 dictionnaire de rimes par p richelet où se trouvent 1 les mots le genre des mots 2 un traité complet de la versification les regles des différent ouvrages en

---

**dictionnaires français gratuits en ligne francaisfacile com** - May 09 2022

web dictionnaires français gratuits etape 2 choisissez votre outil la définition apparaîtra dans une nouvelle fenêtre trouver le sens d un terme et des phrases explicatives dans le littré ouvrage de référence attention le sens des mots peut avoir un peu vieilli entrez le mot puis cliquez sur le bouton littré pour accéder

**dictionnaire de rimes et petit traité de versification** - May 21 2023

web noté 5 retrouvez dictionnaire de rimes et petit traité de versification et des millions de livres en stock sur amazon fr achetez neuf ou d occasion

**dictionnaire de rimes et petit traita c de versif download** - Dec 16 2022

web dictionnaire de rimes et petit traita c de versif books of reference for students teachers of french les dictionnaires des poètes the year book of education for 1878 and 1879 petit dictionnaire des rimes françaises petit dictionnaire des rimes françaises dictionnaire de rimes précédéd un petit traité de versification française

**tribology an overview sciencedirect topics** - Jun 02 2022

web tribology is the science and engineering of understanding friction lubrication and wear phenomena for interacting surfaces in relative motion it is highly interdisciplinary drawing

**home southwest research institute** - Jan 09 2023

web tribology and present lecture name is also application of tribology in this module we will be having around 8 to 10 lectures exploring various applications and how to utilize

**tribology laboratory at lehigh university resources** - Sep 17 2023

web materials on the international space station experiments misse space tribometers were the first ever active tribometers directly exposed to the low earth orbit environment the

**tribology lab manul pdf scribd** - Feb 27 2022

web tribology definition see examples of tribology used in a sentence

**tribology testing intertek** - Oct 18 2023

web the global intertek laboratory network provides tribology related test data for friction lubrication wear surface analysis adhesion and more samples tested include

**tribology laboratory iit roorkee** - Aug 16 2023

web tribology is the science and technology of interacting surfaces in relative motion this includes study of friction lubrication contact mechanics surface damage processes and

**tribology an overview sciencedirect topics** - May 01 2022

web lab coats 4 safety precautions wear safety goggles lab coats and gloves throughout the experiment 6 follow the

manufacturer s instructions for operating machinery be

[department of mechanical and industrial engineering iit roorkee](#) - Oct 06 2022

web tribology is the multidisciplinary science on wear friction and lubrication of interacting surfaces in relatively motion

research in tribology is often highly dependent on the final

[industrial tribology tribosystems friction wear and surface](#) - Jul 15 2023

web jan 19 2011 this ready reference and handbook provides an analysis of the most important tribosystems using modern test equipment in laboratories and test fields the

**overview tribology school of mechanical engineering** - Feb 10 2023

web nov 8 2019 chapter 47 tribology testing and modeling to enhance innovation and reduce development risk tribology

testing is described to provide both science meaning

**tribology lab manual** - Nov 26 2021

**what is tribology bearing design lubrication ggb** - Jul 03 2022

web tribology for energy conservation h a spikes in tribology series 1998 tribology has a part to play in the development of energy efficient technology at many different levels in

**umt tribolab bruker** - May 13 2023

web tribology advanced composite lab list of equipments ü sliding wear or pin on disc ü three body abrasive wear tester ü pin on disc tribometer advance manufacturing

[tribology advanced composite lab malaviya national](#) - Apr 12 2023

web unformatted text preview mech3502 solid mechanics and materials laboratory 9 tribology experiment attendance at all laboratory

**application of tribology iit delhi** - Nov 07 2022

web implementation of sound tribological practices and to help them determine how best to treat and lubricate components for a given application specifically the handbook

[chapter 47 tribology testing and modeling astm international](#) - Dec 08 2022

web tribology is the science and technology of interacting surfaces in relative motion this includes study of friction

lubrication tribology laboratory lab incharge prof

**mech 3502 lab 8 tribology experiment course hero** - Mar 11 2023

web southwest research institute offers a comprehensive brochure that showcases its tribology research and evaluations capabilities covering a wide range of applications and

---

**tribology laboratory sintef me em laboratory safety manual** - Aug 04 2022

web tribological considerations in internal combustion engines d r adams in tribology and dynamics of engine and powertrain  
2010 8 1 introduction tribology is defined as the

**tribology wikipedia** - Mar 31 2022

web tribology noun a study that deals with the design friction wear and lubrication of interacting surfaces in relative motion  
as in bearings or gears

tribology definition usage examples dictionary com - Dec 28 2021

**a space tribology handbook european space agency** - Sep 05 2022

web one of the most important pillars of tribology is the system analytical and system related thinking tribological systems  
123 friction and wear are not material properties they

tribology laboratory sintef me em laboratory safety manual - Jun 14 2023

web tribology can who multidisciplinary learning on wear conflict and lubrication of interacting surfaces in relative motion  
research in tribology is repeatedly highly dependent on the

**tribology definition meaning merriam webster** - Jan 29 2022

web the 1 user manuals search service byradio shack tribology lab manual sniper rv12 manual anatomy guide human  
instructor laboratory manual physiology hsp manual

*online plc ladder logic simulator learn practice coding* - Apr 18 2022

web online plc simulator master ladder logic programming with an interactive tool for creating learning sharing ladder logic  
diagrams elevate your plc skills

**understanding plc ladder diagrams and ladder logic in** - Feb 14 2022

web aug 2 2023 a plc ladder diagram is a graphical representation of the logical control functions performed by a  
programmable logic controller it is the language through which control and automation engineers communicate with plcs to  
define their behavior and achieve desired outcomes in industrial processes

*introduction to ladder logic openplcproject com* - Dec 27 2022

web however ladder logic ld is the most used and fundamental plc language therefore the basic steps in this guide will help  
you to use ld with openplc the structure behind ld is based on the electrical ladder diagrams that were used with relay logic  
in the past these diagrams documented how connections between devices were made on relay panels

*plc ladder diagram variation of latch and lock electrical* - Jan 28 2023

web may 17 2015 the cylinder is a double acting pneumatic cylinder type start start button a and b cylinder moving forward

---

a and b cylinder moving backward for this sequential start a a b b basically when start button is pressed cylinder a will move forward until max then move backward until min

**basic plc programming how to program a plc using ladder logic** - Nov 25 2022

web apr 29 2020 ladder logic programming plc programming has never been easier for the original relay control system designers thanks to ladder logic ladder logic was derived from the relay logic diagrams and hence uses almost the same context plc programming relay logic diagrams

ladder logic examples and plc programming examples plc - Aug 03 2023

web jun 27 2015 many plc ladder logic program examples are available for download and you will have to install the plc programming software to view the example ladder another brand specific issue is the names for the instructions and functions

*what is ladder logic ladder logic diagram examples realpars* - Aug 23 2022

web aug 20 2018 the actual ladder was the drawing of the control logic an illustration of how the relays were wired together even today a lot of the conventions that led to ladders are still in use and i will use a recent example drawing to illustrate this below is a simplified drawing of a control circuit and one of our ladder logic diagram

*plc ladder logic for beginners controlling an air cylinder* - Jul 22 2022

web simple plc ladder logic that controls an air cylinder stroke in and out using a latching bit which will unlatch after 5 seconds along with staying active if the pushbutton is held down

*automation plc and ladder logic programming* - Oct 25 2022

web may 17 2021 they can be programmed using ladder logic designed to imitate control circuit schematics figure 1 shows a proportional integral derivative pid block of the easy4 nano programmable logic controller that can compare the pressure feedback from the system to a desired setpoint

plc pneumatic circuit control plc programming pneumatic - Sep 04 2023

web plc ladder diagram for single acting and double acting pneumatic cylinders plc pneumatic circuit examples example 1 a double acting cylinder is used to perform machining operation pneumatic cylinder is advanced by pressing two push buttons simultaneously if any one of the push button is released cylinder comes back to start

*ladder logic wikipedia* - Mar 30 2023

web ladder logic has evolved into a programming language that represents a program by a graphical diagram based on the circuit diagrams of relay logic hardware ladder logic is used to develop software for programmable logic controllers plcs used in industrial control applications

*ladder logic in programmable logic controllers plcs* - Jul 02 2023

web nov 3 2019 ladder diagram better known as ladder logic is a programming language used to program plcs programmable logic controllers this article will briefly describe what ladder logic is and go over some examples of how it functions

*programmable logic controllers plc ladder logic* - Feb 26 2023

web ladder logic and programming plcs a plc has many input terminals through which it interprets high and low logical states from sensors and switches

*ladder logic basics ladder logic world* - May 20 2022

web feb 16 2021 in simple terms all the field input and output devices are wired to the plc and the ladder logic program decides what outputs to trigger depending on the status of the input signals in basic terms plcs execute ladder logic by first reading all the input states and storing them into memory

**plc programming how to read ladder logic ladder** - Jun 01 2023

web learn the basics of ladder logic and ladder diagram one of the top 5 most popular types of plc programming languages used in manufacturing environments

*plc ladder logic programming tutorial basics plc academy* - Oct 05 2023

web sep 4 2017 ladder logic also known as ladder diagram or ld is a programming language used to program a plc programmable logic controller it is a graphical plc programming language which expresses logic operations with symbolic notation ladder logic is made out of rungs of logic forming what looks like a ladder hence the name

plc programming basics using ladder logic learn robotics - Apr 30 2023

web mar 11 2020 during the program scan cycle the plc reads the inputs solves the ladder logic and energizes or de energizes outputs because inputs can change at any time this process repeats over and over again while the plc is in run mode the diagram below shows a model of the plc program scan cycle

ladder logic tutorial with ladder logic symbols diagrams - Sep 23 2022

web feb 9 2015 ladder logic was designed to have the same look and feel as electrical ladder diagrams but with ladder logic the physical contacts and coils are replaced with memory bits let s take a look for this program the relay logic s ladder diagram is duplicated with ladder logic no more hard wired logic but memory locations instead

**plc ladder logic programming examples with detailed explanation** - Jun 20 2022

web sep 27 2019 12 170 table of contents plc ladder logic programming examples description amazon purchase links plc based load management system circuit diagram ladder logic diagram plc based two way switch for a staircase circuit diagram of the plc based staircase light control system ladder logic diagram of

**hydraulic clamping system using plc ladder logic** - Mar 18 2022

---

web feb 28 2023 learn about the hydraulic clamping system and circuit with the help of plc ladder logic and analysis of the cylinder stroke length contents