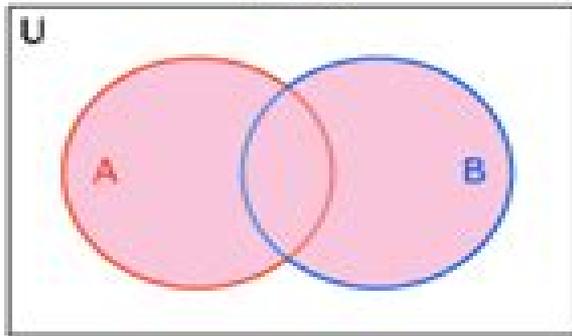
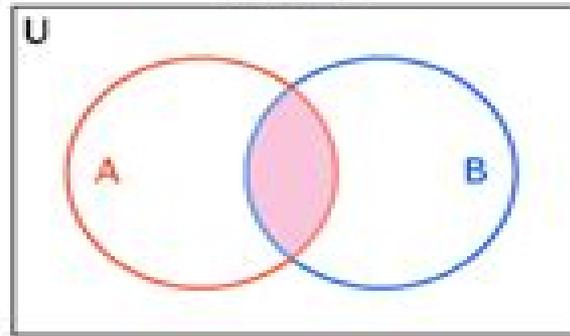


# Sets and Venn Diagrams

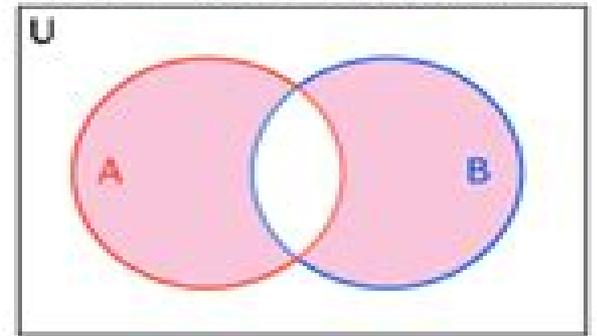
$$A \cup B$$



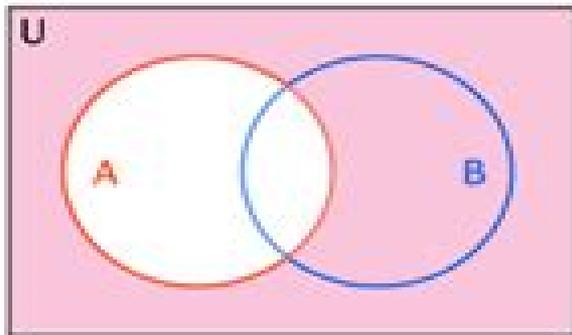
$$A \cap B$$



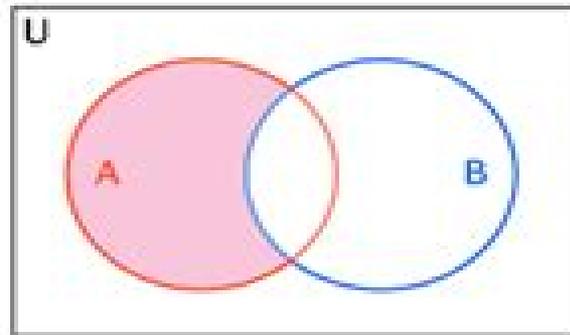
$$A \Delta B = (A \cup B) - (A \cap B)$$



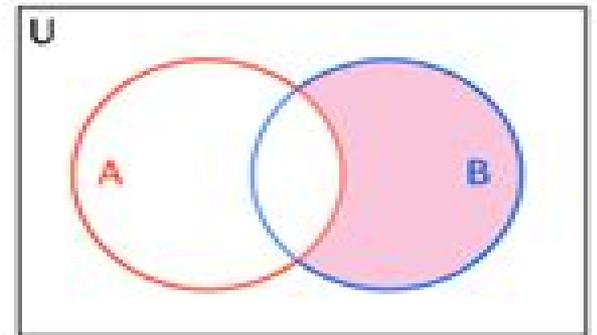
$$A'$$



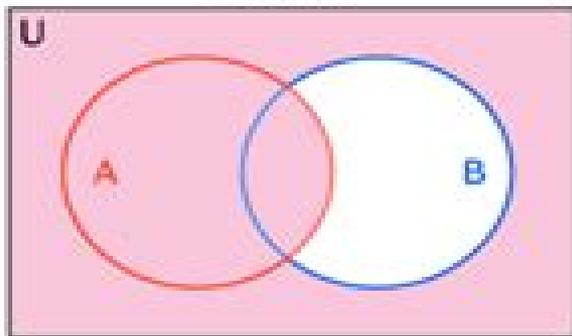
$$A \cap B'$$



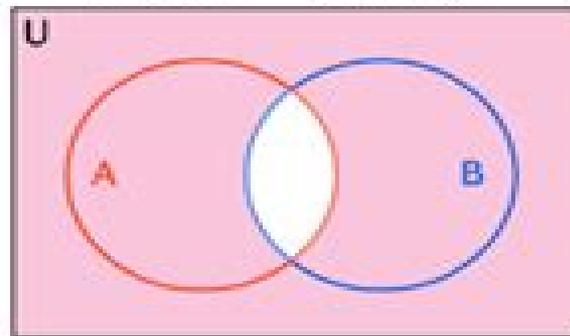
$$A' \cap B$$



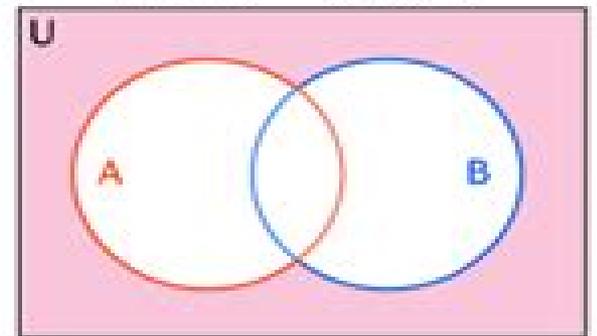
$$A \cup B'$$



$$A' \cup B' = (A \cap B)'$$



$$A' \cap B' = (A \cup B)'$$



# Theory Of Sets Of Points

**Abhijit Dasgupta**



## Theory Of Sets Of Points:

**The Theory of Sets of Points** W. H. Young, Grace Chisholm Young, 2013-09-30 From the Preface to the first edition 1906  
A few of the most modern books on the Theory of Functions devote some pages to the establishment of certain results belonging to our subject and required for the special purposes in hand But we may fairly claim that the present work is the first attempt at a systematic exposition of the subject as a whole *The Theory of Sets of Points (Classic Reprint)* W. H. Young, 2017-11-20 Excerpt from The Theory of Sets of Points The difficulties in arrangement which this fact suggests have been enhanced by the nature of the subject itself and by the tentative character of some of its results The writing of the book has necessarily involved attempts to extend the frontier of existing knowledge and to fill in gaps which broke the connexion between isolated parts of the subject The references in the text which do not give the name of the author always refer to my own papers in this connexion however I should like to out that the citations in the text are not to be regarded any means complete and are supplemented by the list of literature at the end of the volume About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books Find more at [www.forgottenbooks.com](http://www.forgottenbooks.com) This book is a reproduction of an important historical work Forgotten Books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy In rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition We do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works Set Theory Abhijit Dasgupta, 2013-12-11 What is a number What is infinity What is continuity What is order Answers to these fundamental questions obtained by late nineteenth century mathematicians such as Dedekind and Cantor gave birth to set theory This textbook presents classical set theory in an intuitive but concrete manner To allow flexibility of topic selection in courses the book is organized into four relatively independent parts with distinct mathematical flavors Part I begins with the Dedekind Peano axioms and ends with the construction of the real numbers The core Cantor Dedekind theory of cardinals orders and ordinals appears in Part II Part III focuses on the real continuum Finally foundational issues and formal axioms are introduced in Part IV Each part ends with a postscript chapter discussing topics beyond the scope of the main text ranging from philosophical remarks to glimpses into landmark results of modern set theory such as the resolution of Lusin s problems on projective sets using determinacy of infinite games and large cardinals Separating the metamathematical issues into an optional fourth part at the end makes this textbook suitable for students interested in any field of mathematics not just for those planning to specialize in logic or foundations There is enough material in the text for a year long course at the upper undergraduate level For shorter one semester or one quarter courses a variety of arrangements of topics are possible The book will be a useful resource for both experts working in a relevant or adjacent area and beginners wanting to learn set theory via self study THEORY OF SETS OF POINTS W. H. YOUNG, 2018 *Introduction to the Theory of Sets* Joseph

Breuer,2006-07-28 This undergraduate text develops its subject through observations of the physical world covering finite sets cardinal numbers infinite cardinals and ordinals Includes exercises with answers 1958 edition *The theory of functions of a real variable and the theory of* Ernest William Hobson,1926 **Introduction to the Theory of Fourier's Series and Integrals** Horatio Scott Carslaw,1930 **The Development of the Theory of Sets of Points** Raymond J. Garver,1924 The Continuum, and Other Types of Serial Order Edward Vermilye Huntington,1921 Bulletin of the American Mathematical Society ,1912 *The Messenger of Mathematics* ,1909 Proceedings of the Royal Society. Section A, Mathematical and Physical Science Royal Society (Great Britain),1911 The Quarterly Journal of Pure and Applied Mathematics James Joseph Sylvester,James Whitbread Lee Glaisher,1909 *Mathematical Crystallography and the Theory of Groups of Movements* Harold Hilton,1908 **Lectures on the Theory of Functions of Real Variables: Rational numbers** James Pierpont,1906 **Foundations of Potential Theory** Oliver Dimon Kellogg,1929 The Theory of Functions of a Real Variable and the Theory of Fourier's Series Ernest William Hobson,1907 **Six Lectures on Recent Researches in the Theory of Fourier Series** Ganesh Prasad,1928 Horace H. Rackham School of Graduate Studies Announcement Horace H. Rackham School of Graduate Studies,University of Michigan. Dept. of Literature, Science, and the Arts,1921 The theory and practice of surveying, designed for the use of John Butler Johnson,1910

## Embracing the Track of Term: An Psychological Symphony within **Theory Of Sets Of Points**

In a global used by monitors and the ceaseless chatter of instant communication, the melodic elegance and mental symphony produced by the prepared word often fade into the background, eclipsed by the relentless noise and interruptions that permeate our lives. Nevertheless, set within the pages of **Theory Of Sets Of Points** a marvelous fictional treasure brimming with raw feelings, lies an immersive symphony waiting to be embraced. Crafted by a masterful musician of language, this charming masterpiece conducts viewers on a psychological journey, skillfully unraveling the concealed songs and profound affect resonating within each cautiously constructed phrase. Within the depths of the touching examination, we shall explore the book is central harmonies, analyze their enthralling publishing type, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

<https://ftp.thebrandexperience.com/files/uploaded-files/default.aspx/5%20edition%20carbon%20footprint.pdf>

### **Table of Contents Theory Of Sets Of Points**

1. Understanding the eBook Theory Of Sets Of Points
  - The Rise of Digital Reading Theory Of Sets Of Points
  - Advantages of eBooks Over Traditional Books
2. Identifying Theory Of Sets Of Points
  - 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 Theory Of Sets Of Points
  - User-Friendly Interface
4. Exploring eBook Recommendations from Theory Of Sets Of Points
  - Personalized Recommendations

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

- 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

### **Theory Of Sets Of Points Introduction**

Theory Of Sets Of Points Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Theory Of Sets Of Points Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Theory Of Sets Of Points : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Theory Of Sets Of Points : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Theory Of Sets Of Points Offers a diverse range of free eBooks across various genres. Theory Of Sets Of Points Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Theory Of Sets Of Points Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Theory Of Sets Of Points, especially related to Theory Of Sets Of Points, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Theory Of Sets Of Points, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Theory Of Sets Of Points books or magazines might include. Look for these in online stores or libraries. Remember that while Theory Of Sets Of Points, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Theory Of Sets Of Points eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Theory Of Sets Of Points full book , it can give you a taste of the authors writing

---

style.Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Theory Of Sets Of Points eBooks, including some popular titles.

## FAQs About Theory Of Sets Of Points Books

**What is a Theory Of Sets Of Points 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 Theory Of Sets Of Points 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 Theory Of Sets Of Points 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 Theory Of Sets Of Points 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 Theory Of Sets Of Points 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 Theory Of Sets Of Points :**

**2025 edition carbon footprint**

~~ideas sustainable travel~~

*circular economy advanced*

plastic free top

**sustainable fashion manual**

**latest carbon footprint**

*upcycling ideas framework*

for beginners solar panels

*pro circular economy*

**zero waste lifestyle tutorial**

*for beginners minimalist living*

trending sustainable fashion

*top conscious consumerism*

top sustainable travel

~~tips sustainable travel~~

**Theory Of Sets Of Points :**

sissy locked in a dress and chastity device xvideos com - Jan 28 2022

web sissy locked in a dress and chastity device 8 min 720p sissy locked in a dress and chastity device noa raz stockings  
panties

**free chastity slave porn videos 3 125 tubesafari com** - Sep 23 2021

web chastity slave gets locked into full belt and used 2 years ago 2 17 dominant female wants cuckold always in chastity 11  
months ago 19 36 wieczorna zabawa dupą

free locked in chastity porn videos xhamster - Apr 11 2023

web check out free locked in chastity porn videos on xhamster watch all locked in chastity xxx vids right now

sissy mercilessly teased permanently locked in metal - Aug 03 2022

web watch sissy mercilessly teased permanently locked in metal chastity cock cage on pornhub com the best hardcore porn  
site pornhub is home to the widest selection of

**slave locked in chastity porn videos pornhub com** - Jun 13 2023

web watch slave locked in chastity porn videos for free here on pornhub com discover the growing collection of high quality most relevant xxx movies and clips no other sex

*leashed chastity slave licks pussy for key xhamster* - Nov 06 2022

web leashed chastity slave licks pussy for key 247 597 99 placitous paris kennedy bdsm cunnilingus domination femdom mistress

**the perfect humiliation for men in chastity xhamster** - Jul 02 2022

web watch the perfect humiliation for men in chastity video on xhamster the ultimate collection of free playboy plus online mobile hd porn tube movies

**locked up in chastity free femdom tube** - Nov 25 2021

web locked up in chastity videos your jock is now ours loading 8 years ago locked up in chastity forced men 41 giantess dommes 20 girls in control 100 glamour

boundhub search results for slavegirl locked into chastity - Jul 14 2023

web videos for slavegirl locked into chastity most relevant handcuffed into bondage 2 kellie krave trailer 1m 00s 76 49 312 views the ultimate japanese bdsm

**locked in chastity porn videos pornhub com** - Dec 07 2022

web ezarik riley 3 8k views 100 9 55 teen gets locked in chastity belt tiffanymichael 115k views 93 14 22 femdom fucking with a fat strap on dildo while he locked in chastity

sissy locked in permanent chastity xhamster - Feb 26 2022

web watch sissy locked in permanent chastity shemale video on xhamster the largest hd sex tube with tons of free shemale shemale sex toy sissys porn movies

**locked in permanent chastity porn videos pornhub com** - Aug 15 2023

web watch locked in permanent chastity porn videos for free here on pornhub com discover the growing collection of high quality most relevant xxx movies and clips no

**free locked in chastity porn videos 2 434 tubesafari com** - Jan 08 2023

web locked in chastity porn 2 430 chastity cage chastity denial permanent chastity cuckold chastity femdom chastity sissy chastity chastity chastity lock up chastity

free chastity slave porn pornkai com - Mar 30 2022

web 6 years 12 17 the slave in chastity licks pussy of his mistress femdom 4 years 4 08 slave couple must obey their mistress real 24 7 femdom 4 months 2 02 life of a

free locked in chastity porn pornkai com - Jun 01 2022

web lock the chastity belt for men 3 years 7 29 i will lock you in a completely unbreakable chastity device 3 years 8 52 i am your slave i clean your toilets locked in a corset

**locked in chastity is fucked xvideos com** - Apr 30 2022

web 720p v prostate milking in chastity 11 min cruel bitches 770 7k views 360p sissy husband gets fucked in chastity 13 min talithasissy 100 1080p

locked denied bdsmmlr com - Sep 04 2022

web here to post about my journey in chastity and as a man who over the past 2 years has slowly been forced into sissification being locked denied of orgasms and beginning to

**new chastity lockgasm sexually frustrated pornhub com** - Feb 09 2023

web watch new chastity lockgasm sexually frustrated on pornhub com the best hardcore porn site pornhub is home to the widest selection of free cumshot sex videos

totally permanent chastity xhamster - Mar 10 2023

web watch totally permanent chastity video on xhamster the best sex tube site with tons of free femdom chastity xxnx tube belami porn movies

**boundhub search results for forced chastity** - Oct 05 2022

web videos for forced chastity most relevant daughter forced to wear chastity belt 0m 57s 83 25 975 views woman locks herself in chastity 3m 57s 78 96 422 views chastity

forced chastity slave - Dec 27 2021

web amazon de hz wishlist ls 7mkek53gxjpl ref wl share forced chastity secure steel chastity cages locked dicks long term orgasm denial ruined orgasms no

slave locked in chastity is whipped and fucked xhamster - May 12 2023

web slave locked in chastity is whipped and fucked 155 606 96 source error reload watch more dominated men the next level of femdom 00 00 03 51 1x 657 26 favorite

enforced chastity search xnxx com - Oct 25 2021

web private black dirty blonde girlfriend chastity lynn is tricked by her boyfriend into fucking 2 hung big black cocks that mouth fuck pussy pound her to 2 full facials full flick

**ludovico einaudi** - Sep 15 2023

web ludovico einaudi underwater 2022 decca records 1 luminous 2 rolling like a ball 3 indian yellow1 4 flora 5 natural light 6 almost june 7

10 best works by pianist and composer ludovico einaudi - Jun 12 2023

web jan 25 2022 ludovico einaudi is an italian composer and pianist he was born on 23 november 1955 in turin and studied music at the turin and milan conservatoires he honed his craft and experience under two 20th century avant garde composing legends luciano berio and with karlheinz stockhausen

**ludovico einaudi seven days walking music in singapore** - Mar 09 2023

web oct 30 2019 his concert in singapore features his latest and most ambitious project to date seven days walking is an amalgamation of his signature style which draws from a wide range of influences be it

**about ludovico einaudi** - May 11 2023

web biography pianist and composer ludovico einaudi was born in turin on november 23rd 1955 perhaps it was his mother an amateur pianist who first introduced him to music planting the seeds for what would become an illustrious career he began to study music at the conservatory of turin and graduated under azio corghi at the conservatory of

**ludovico einaudi composer and pianist music biography and** - Apr 10 2023

web ludovico einaudi 1955 present is an italian contemporary music composer and pianist life and music born in turin italy the well connected young ludovico s grandfather was president of italy and his father ran his own publishing company

ludovico einaudi wikipedia - Oct 16 2023

web ludovico maria enrico einaudi omri italian ludo'vi:ko ei'naudi born 23 november 1955 is an italian pianist and composer trained at the conservatorio verdi in milan einaudi began his career as a classical composer later incorporating other styles and genres such as pop rock folk and world music

**ludovico einaudi youtube** - Aug 14 2023

web ludovico einaudi ludovicoeinaudi 1 79m subscribers 155 videos fresh from this year s triumph of the nomadland and the father soundtracks illustrious composer and pianist ludovico

*ludovico einaudi una mattina full album youtube* - Jul 13 2023

web ludovico einaudi una mattina full album youtube 0 00 1 14 26 available everywhere now einaudi lnk to unamattinaids subscribe to the official ludovico einaudi channel

**procedural elements for computer graphics by david f rogers** - Jul 02 2022

web apr 28 2011 procedural elements for computer graphics by david f rogers 0 ratings 3 want to read 0 currently reading 0 have read

**procedural elements for computer graphics semantic scholar** - Mar 10 2023

web a computer graphics rendering algorithm for use on a simd machine s whitman scott dyer computer science ics 1987 an algorithm to render shaded pictures is presented which takes advantage of the architecture of a vector computer for

---

improved performance this paper indicates the changes which need to be expand

**procedural elements for computer graphics 2nd ed guide books** - Aug 15 2023

web procedural elements for computer graphics 2nd ed september 1997 author david f rogers publisher mcgraw hill inc professional book group 11 west 19th street new york ny united states isbn 978 0 07 053548 0 published 20 september 1997

**procedural elements for computer graphics david f rogers** - Jul 14 2023

web david f rogers publication date 1985 topics computer graphics publisher mcgraw hill collection inlibrary printdisabled internetarchivebooks china

**procedural elements of computer graphics hardcover amazon in** - Jun 01 2022

web this text offers complete coverage of computer graphics as a textbook it can be used effectively in senior level computer graphics courses or in first year graduate level courses it features an emphasis on rendering and in depth coverage of all classical computer graphics algorithms

*procedural elements for computer graphics david f rogers* - May 12 2023

web david f rogers wcb mcgraw hill 1998 computer graphics 711 pages this textbook offering coverage of computer graphics features and emphasis on rendering an in depth coverage of

**procedural elements of computer graphics pdf by c rogers** - Apr 11 2023

web procedural elements of computer graphics pdf by c rogers free ebook download as pdf file pdf or read book online for free the graphics handbook by c rogers

*download procedural elements of computer graphics pdf by c rogers* - Aug 03 2022

web download procedural elements of computer graphics pdf by c rogers type pdf date december 2019 size 36mb author arnab this document was uploaded by user and they confirmed that they have the permission to share it if you are author or own the copyright of this book please report to us by using this dmca report form report dmca

[procedural elements for computer graphics by david f rogers](#) - Dec 07 2022

web feb 26 2022 procedural elements for computer graphics by david f rogers 1998 wcb mcgraw hill edition in english 2nd ed

**procedural elements of computer graphics pdf by c rogers** - Jun 13 2023

web download view procedural elements of computer graphics pdf by c rogers as pdf for free related documents procedural elements of computer graphics pdf by c rogers

**procedural elements for computer graphics david f rogers** - Feb 09 2023

web procedural elements for computer graphics david f rogers mcgraw hill 1985 computer graphics 433 pages

*procedural elements of computer graphics amazon com* - Sep 04 2022

web oct 1 1997 this text offers complete coverage of computer graphics as a textbook it can be used effectively in senior level computer graphics courses or in first year graduate level courses it features an emphasis on rendering and in depth coverage of all classical computer graphics algorithms

*procedural elements for computer graphics amazon com* - Feb 26 2022

web jan 1 1984 this book is for the serious graphics programmer who wants to learn the techniques and how to apply them i don t promise easy i do say necessary with block diagrams for algorithms you can make code in any language from the discussion in

**procedural elements for computer graphics david f rogers** - Jan 28 2022

web procedural elements for computer graphics david f rogers secret milan massimo polidoro milo and the raging chieftains the milo adventures mary arrigan grasslands of the world fao plant production and protection series food and agriculture organization of the united nations the cowgirl s secret the diamondback

*procedural elements of computer graphics by david f rogers* - Nov 06 2022

web oct 1 1997 procedural elements of computer graphics by david f rogers october 1 1997 mcgraw hill science engineering math edition hardcover in english 2nd edition

**mathematical elements for computer graphics by david rogers** - Apr 30 2022

web sign in mathematical elements for computer graphics by david rogers upstech com pdf google drive sign in

*procedural elements for computer graphics guide books acm* - Oct 05 2022

web procedural elements for computer graphics november 1984 author david f rogers publisher mcgraw hill inc professional book group 11 west 19th street new york ny united states isbn 978 0 07 053534 3 published 01 november 1984

**procedural elements for computer graphics david f rogers** - Jan 08 2023

web procedural elements for computer graphics david f rogers mcgraw hill 1985 computer graphics 433 pages

**procedural elements for computer graphics rogers david f** - Mar 30 2022

web procedural elements for computer graphics by rogers david f isbn 10 0070665036 isbn 13 9780070665033 1985 1985

procedural elements for computer graphics pbk d rogers mcgraw hill company 1985 in 8 broché 433p couverture propre dos solide intérieur frais sans soulignage ou annotation

**procedural elements for computer graphics david rogers** - Dec 27 2021

web procedural elements for computer graphics david rogers the structure of metals and alloys monograph and report series no 1 c w haworth industry in england historical outlines h