



Atlas Copco

www.atlascopco.com

SF

SF8+ FF

Oil-free air
ISO 8573-1 CLASS 0

Atlas Copco Sf8 Compressor Manual

Atlas Copco



Atlas Copco Sf8 Compressor Manual:

Compressed Air Manual Atlas Copco Compressor AB,1998 **Atlas Copco Manual** Atlas Copco AB.,1993
Compressor Installation Manual ,1967 Atlas Copco Manual Atlas Copco MCT AB.,1978 **Compressed Air Manual** ,1998 **Atlas Copco Manual** ,1971 **Atlas Copco Air Compressor - Blg 16 Operation Manual** J. B. Hopkinson,1962 **The Compressor Plant** Atlas Copco (Stockholm),1953 Atlas Copco Compressor Installation Manual ,1967 **Atlas Copco** ,1984 **Compressor Installation Manual**Atlas Copco ,1972 **Atlas Copco Air Compendium** Atlas Copco AB (Stockholm),S. B. Andersson,1975 *Operator, Organizational, Direct and General Support, and Depot Maintenance Manual* ,1973 **Compressed air fundamentals** Atlas Copco,197? *Trials on the Atlas Copco Type U.18 Compressor on an Inbye Low-pressure Stowing Installation* ,1961 *Trials on the Atlas-Copco U.18 Screw Compressor for Use on Inbye Stowing Installations* ,1961 **ATLAS COPCO** Fabian Rötgers,2024 *Service Manual* Caterpillar Inc.Peoria, Ill.,1992

Unveiling the Magic of Words: A Report on "**Atlas Copco Sf8 Compressor Manual**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Atlas Copco Sf8 Compressor Manual**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve in to the book is central themes, examine its distinctive writing style, and assess its profound impact on the souls of its readers.

https://recruitmentslovakia.sk/files/Resources/Documents/Tohatsu_Repair_Manual.pdf

Table of Contents Atlas Copco Sf8 Compressor Manual

1. Understanding the eBook Atlas Copco Sf8 Compressor Manual
 - The Rise of Digital Reading Atlas Copco Sf8 Compressor Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Atlas Copco Sf8 Compressor Manual
 - 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 Atlas Copco Sf8 Compressor Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Atlas Copco Sf8 Compressor Manual
 - Personalized Recommendations
 - Atlas Copco Sf8 Compressor Manual User Reviews and Ratings
 - Atlas Copco Sf8 Compressor Manual and Bestseller Lists

5. Accessing Atlas Copco Sf8 Compressor Manual Free and Paid eBooks
 - Atlas Copco Sf8 Compressor Manual Public Domain eBooks
 - Atlas Copco Sf8 Compressor Manual eBook Subscription Services
 - Atlas Copco Sf8 Compressor Manual Budget-Friendly Options
6. Navigating Atlas Copco Sf8 Compressor Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Atlas Copco Sf8 Compressor Manual Compatibility with Devices
 - Atlas Copco Sf8 Compressor Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Atlas Copco Sf8 Compressor Manual
 - Highlighting and Note-Taking Atlas Copco Sf8 Compressor Manual
 - Interactive Elements Atlas Copco Sf8 Compressor Manual
8. Staying Engaged with Atlas Copco Sf8 Compressor Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Atlas Copco Sf8 Compressor Manual
9. Balancing eBooks and Physical Books Atlas Copco Sf8 Compressor Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Atlas Copco Sf8 Compressor Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Atlas Copco Sf8 Compressor Manual
 - Setting Reading Goals Atlas Copco Sf8 Compressor Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Atlas Copco Sf8 Compressor Manual
 - Fact-Checking eBook Content of Atlas Copco Sf8 Compressor Manual
 - 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

Atlas Copco Sf8 Compressor Manual Introduction

Atlas Copco Sf8 Compressor Manual 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. Atlas Copco Sf8 Compressor Manual Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Atlas Copco Sf8 Compressor Manual : 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 Atlas Copco Sf8 Compressor Manual : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Atlas Copco Sf8 Compressor Manual Offers a diverse range of free eBooks across various genres. Atlas Copco Sf8 Compressor Manual Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Atlas Copco Sf8 Compressor Manual Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Atlas Copco Sf8 Compressor Manual, especially related to Atlas Copco Sf8 Compressor Manual, 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 Atlas Copco Sf8 Compressor Manual, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Atlas Copco Sf8 Compressor Manual books or magazines might include. Look for these in online stores or libraries. Remember that while Atlas Copco Sf8 Compressor Manual, 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 Atlas Copco Sf8 Compressor Manual 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 Atlas Copco Sf8 Compressor Manual 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 Atlas Copco Sf8 Compressor Manual eBooks, including some popular titles.

FAQs About Atlas Copco Sf8 Compressor Manual Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Atlas Copco Sf8 Compressor Manual is one of the best book in our library for free trial. We provide copy of Atlas Copco Sf8 Compressor Manual in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Atlas Copco Sf8 Compressor Manual. Where to download Atlas Copco Sf8 Compressor Manual online for free? Are you looking for Atlas Copco Sf8 Compressor Manual PDF? This is definitely going to save you time and cash in something you should think about.

Find Atlas Copco Sf8 Compressor Manual :

tohatsu repair manual

toyota t100 power window electrical diagram

tshwane district 15 economics paper1 for grade 11

toyota 4runner wiring schematic for tail lights

topic 9 test

toyota corolla 91 engine

toyota camry 1mz fe wiring diagram

trapped by the ice comprehension test

toyota premio econ wiring system

traveller intermediate b1 students book answer

travel service n4 previous memorundun

tropical rain forest animals paper mache

toyota power window relay location

toyota verso repair manual

trial exam paper 2 economics limpopo province with memo

Atlas Copco Sf8 Compressor Manual :

mario j valdés the hermeneutics of poetic sense critical - Nov 03 2022

web jan 15 2000 the hermeneutics of poetic sense critical studies of literature cinema and cultural history toronto university of toronto press 1998 xi 169 pp find read

the hermeneutics of poetic sense on jstor - Jun 29 2022

web the starting point of this study is a review of the classical problem of meaning in order to bring to light the relative cognitive and ontological positions taken on this issue by

doi doi org 10 22201 ffyl poligrafias 2000 3 researchgate - Nov 22 2021

web mario j valdés the hermeneutics of poetic sense critical studies of literature cinema and cultural history toronto university of toronto press 1998 xi 169 pp

the hermeneutics of poetic sense critical studies pdf - Mar 07 2023

web the hermeneutics of poetic sense critical studies critical theorists and international relations dec 23 2020 covering a broad range of approaches within critical theory

the hermeneutics of poetic sense mario valdes hardback - Jan 25 2022

web in his earlier books shadows in the cave 1982 and phenomenological hermeneutics and the study of literature 1987 mario valde

pdf the hermeneutics of poetic sense critical studies - Jun 10 2023

web pdf the hermeneutics of poetic sense critical studies wagepedia revolution of the ordinary literary studies after the hermeneutics of psalms flashcards quizlet biblical

hermeneutics of poetic sense critical studies of - Jan 05 2023

web hermeneutics of poetic sense critical studies of literature cinema and cultural history theory culture includes bibliographical references and index isbn 0 8020 4243 0 1

hermeneutics of poetic sense 1997 edition open library - May 29 2022

web hermeneutics of poetic sense critical studies of literature cinema and cultural history by mario j valdés 0 ratings 0 want

to read 0 currently reading 0 have read

[hermeneutics of poetic sense critical studies of literature](#) - Jul 31 2022

web hermeneutics of poetic sense critical studies of literature cinema and cultural history in his earlier books shadows in the cave 1982 and phenomenological

the hermeneutics of poetic sense critical studies of literature - Dec 04 2022

web the hermeneutics of poetic sense critical studies of literature cinema and cultural history valdes mario amazon sg books

[hermeneutics of poetic sense critical studies of literature](#) - Apr 27 2022

web the resource hermeneutics of poetic sense critical studies of literature cinema and cultural history mario j valdés

the hermeneutics of poetic sense critical studies of literature - Mar 27 2022

web sep 16 2023 hermeneutics philosophy oxford bibliographies biblical hermeneutics an introduction the gospel coalition

the hermeneutics of poetic sense on jstor

[hermeneutics or poetics jstor](#) - Aug 12 2023

web hermeneutics or poetics should allow us to use the notion of influence so restrictively and one sidedly understood by positivism both in its normal sense and in a directly

the hermeneutics of poetic sense critical studies - Dec 24 2021

web hermeneutics of poetic sense the roots of hermeneutics in kant s reflective teleological judgment hermeneutics and the voice of the other the interpretation of

pdf the hermeneutics of poetic sense theory culture - Oct 14 2023

web november 1 2023 pdf the hermeneutics of poetic sense theory culture download by mario valdes download the hermeneutics of poetic sense theory culture by

hermeneutics of poetic sense critical studies of literature - May 09 2023

web with this book he continues the development of his ideas using his views of literature cinema and art to unravel what he calls the imaginative configuration of the world the

hermeneutics of poetic sense critical studies of researchgate - Oct 02 2022

web jan 1 2000 download citation hermeneutics of poetic sense critical studies of literature cinema and cultural history by mario j valdés review department of

[hermeneutics of poetic sense critical studies of literature](#) - Sep 01 2022

web abebooks com hermeneutics of poetic sense critical studies of literature cinema and cultural history first edition fine in an about fine dust jacket

[hermeneutics of poetic sense critical studies of literature](#) - Jul 11 2023

web xi 169 p 24 cm an icon used to represent a menu that can be toggled by interacting with this icon

the hermeneutics of poetic sense critical studies download - Feb 23 2022

web the hermeneutics of poetic sense critical studies is available in our book collection an online access to it is set as public so you can get it instantly our digital library spans in

mario j valdés hermeneutics of poetic sense critical studies of - Sep 13 2023

web with this book he continues the development of his ideas using his views of literature cinema and art to unravel what he calls the imaginative configuration of the world the

hermeneutics of poetic sense critical studies of literature - Feb 06 2023

web article youngerman2004hermeneuticsop title hermeneutics of poetic sense critical studies of literature cinema and cultural history author mark youngerman

hermeneutics of poetic sense critical studies of literature - Apr 08 2023

web hermeneutics of poetic sense critical studies of literature cinema and cultural history author mario j valde s summary in his earlier books shadows in the cave 1982 and

what is an example of a clinical impression wellbeing port - Jul 13 2023

web sep 1 2022 an example of a clinical impression would be as follows client is a 47 year old biracial male who exhibits flat affect and speech is anergic appearance is disheveled unkempt and mood is dysphoric table of contents show

how to write therapy progress notes 8 templates examples - Jan 07 2023

web jan 7 2021 progress notes are clinical notes made by psychologists therapists clinical counselors psychiatrists and other practitioners involved in a patient s treatment and care more specifically they contain clinical facts and medical reasoning about the care delivered to patients and the clinical events relevant to diagnosis and treatment

write a clinical letter practical neurology - May 31 2022

web i write a letter following almost every clinical encounter not only after outpatient consultations and discharge summaries to the patient s general practitioner gp and copied to other involved health professionals but also after inpatient consultations and telephone discussions with patients doctors and others

responding to the dysphagia consult a report writing primer - Jul 01 2022

web oct 1 2003 successful execution of medical decisions requires high quality writing and reporting skills from the specialists who are consulted when a clinician receives a consult to assess a patient s swallow function the clinician should consider how the referring physician would gain from the interaction

sample initial assessment path mental health - Jan 27 2022

web sample initial assessment sample initial assessment the initial assessment includes required elements of minimum

documentation for payers and for best practices in a comprehensive biopsychosocial psychiatric diagnostic evaluation this document leads to your clinical formulation of a diagnosis which then leads to the treatment plan

diagnosis case conceptualization and treatment planning - Aug 02 2022

web practice evidence based practice and other best in c ounseling and p sychotherapy the transition from natural helper to professional counselor can be a daunting one we become aware that a client s decision to seek counseling is an important investment in time money and energy vaughn 1997 p 181 we realize that when cli

clinical impression collocation meaning and examples of use - Sep 03 2022

web examples of clinical impression in a sentence how to use it 10 examples this bi directional effect of co morbid disease on mortality confirms the clinical impression of

a quick guide to clinical writing for psychologists - May 11 2023

web mar 6 2017 in clinical writing it is important to clearly and efficiently communicate your impressions to your reader thus it is imperative to avoid unnecessary words jargon or circular constructions in your writing

how to write a case conceptualization 10 examples pdf - Nov 05 2022

web apr 11 2022 the observations are clinical judgments meant to guide recommendations a summary of how the strengths limitations and other key information about a client inform diagnosis and prognosis you should briefly clarify how you arrived at a given diagnosis

[clinical interview template example free pdf download](#) - Apr 10 2023

web clinical interview example below is a sample of a filled out clinical interview template feel free to use this example to give you an idea of how to fill out your own before saving it on carepatron or downloading and printing a physical copy download this clinical interview example sample here

clinical documentation in speech language pathology the - Apr 29 2022

web sep 1 2006 the clinician s clinical judgments or subjective impressions describe the patient s current functional status of the condition being evaluated when these statements provide further information to supplement measurement tools

[how to write mental health clinical impression arnabee](#) - Sep 15 2023

web sep 6 2019 in order to write a mental health clinical impression you will need to assess the patient s symptoms and come to a conclusion about what is going on you will also need to consider any other information that you have

clinical impressions from patient case 1 psychiatric times - Mar 09 2023

web oct 19 2021 custom around the practice video series tina matthews hayes dnp fnp pmhnp comments on screening tools for bipolar disorder and gustavo alva md dfapa shares his impressions from patient case 1 ep 1 patient case 1 27 year old woman with bipolar disorder ep 2 clinical significance of bipolar disorder now viewing ep

all write a review of clinical writing for dysphagia diagnostics - Mar 29 2022

web sep 7 2020 author heather bolan ma ccc slp edited by ainsley martin ms ccc slp name of course clinical writing for dysphagia diagnostics instructor kelsey day m s ccc slp hosted by mobile dysphagia diagnostics cost 300 number of ceus earned 0 8 ceus format live lecture format via webinar due to covid 19 with

how to write clinical impressions a guide for mental - Jun 12 2023

web as a mental health professional it is important to be able to write clear and concise clinical impressions that accurately reflect your observations and evaluations of your clients clinical impressions are essential parts of clinical records and can make a significant impact on treatment outcomes

writing a psychological report using evidence based - Feb 08 2023

web dec 6 2019 summary psychological assessment and report writing are arguably two of the more important tasks of clinical psychologists the overall purpose of this chapter is to provide some recommendations and guidelines on how to write a psychological report using evidence based assessment methods

examples of good clinical documentation carepatron - Feb 25 2022

web to make writing clinical notes as easy as possible we have compiled a selection of 4 examples of good documentation that follow the sirp situation intervention response plan format example 1 situation s the client participated in group therapy with 8 peers and 2 facilitators

how to write mental health clinical impression bikehike - Oct 04 2022

web nov 25 2021 an example of a clinical impression would be as follows client is a 47 year old biracial male who exhibits flat affect and speech is anergic appearance is disheveled unkempt and mood is dysphoric in terms of how the client appears emotionally he appears unwell and or unhappy dysphoric

psa6669 section 5 clinical impression yourceus com - Aug 14 2023

web samples of clinical impression statements the individual appears to be a reliable informant with sincere commitment to achieving goals by adherence to the developed treatment plan the individual exhibits moderate difficulty in social and occupational functioning that is compounded by significant medical financial and legal problems

cmh clinical impression the soapnote project - Dec 06 2022

web jan 12 2021 patient reported concerns checkbox name emo dis value feeling emotionally distressed conditional field emo dis condition emo dis is feeling emotionally distressed checkbox value anxiety depression anxious and depressed moody suicidal ideation performance

9 2 arithmetic sequences and series mathematics libretexts - Jan 08 2023

web oct 6 2021 an arithmetic sequence is a sequence where the difference d between successive terms is constant the

general term of an arithmetic sequence can be written in terms of its first term a_1 common difference d and index n as follows $a_n = a_1 + (n-1)d$

arithmetic and geometric progressions mathcentre ac uk - Jun 13 2023

web arithmetic progressions the sum of an arithmetic series geometric progressions the sum of a geometric series

convergence of geometric series 2 3 4 5 8 9 12 sequences what is a sequence it is a set of numbers which are written in some particular order for example take the numbers 1 3 5 7 9 here we seem to have a rule

student activity to investigate arithmetic sequences and series - Aug 15 2023

web student activity to investigate arithmetic sequences and series use in connection with the interactive file arithmetic sequence and series on the student's cd 1 the first term a of an arithmetic sequence is equal to 3 and the common difference d of the sequence is 2 a write down the first 6 terms show your calculations

how to find and classify an arithmetic sequence study com - Feb 26 2022

web nov 15 2021 arithmetic sequences the pattern of progressing numbers can be classified by finding the difference between numbers in the sequence and then notating them into a formula see the process of the

arithmetic sequences investigation docx google sheets - Mar 30 2022

web arithmetic sequences investigation docx google sheets loading

1 1 arithmetic sequences sequences and series siyavula - Aug 03 2022

web an arithmetic sequence is a sequence where consecutive terms are calculated by adding a constant value positive or negative to the previous term we call this constant value the common difference d

8 1 arithmetic sequences mathematics libretexts - Dec 07 2022

web sep 15 2021 this section will explore arithmetic sequences how to identify them mathematically describe their terms and the relationship between arithmetic sequences and linear functions let's get started definition sequence

2 2 arithmetic and geometric sequences mathematics libretexts - May 12 2023

web arithmetic sequences if the terms of a sequence differ by a constant we say the sequence is arithmetic if the initial term a_0 of the sequence is a and the common difference is d then we have recursive definition $a_n = a_{n-1} + d$ with $a_0 = a$ a closed formula $a_n = a + nd$ how do we know this

arithmetic sequences explicit recursive formula kate s - Jan 28 2022

web for example the sequence 1 4 7 10 13 is an arithmetic sequence because 3 is being added each time to get the next term the sequence 100 90 80 70 is also arithmetic because 10 is being subtracted each time to get to the next term welcome to kate s math lessons teachers make sure to check out the study guides and activities

dp maths applications interpretation practice arithmetic sequences - Jul 02 2022

web aug 23 2023 [sl arithmetic sequences practice arithmetic sequences the following questions are designed just to practice some of the fundamentals of working with arithmetic sequences generatings working with generalisations for the nth term and finding the sum of a sequence to a given number of terms](#)

mathematics oxford university press - Mar 10 2023

web whereas the sequence 7 5 3 1 1 3 is an infinite sequence with an infinite number of terms the distinction is indicated by the ellipsis at the end of the sequence a sequence is sometimes written in terms of the general term as u_r where r can take values 1 2 3 if the sequence is finite then r will terminate at

sequence investigation ib maths resources from - Apr 30 2022

web apr 6 2017 [original paper 3 investigations with full worked solutions to develop investigative techniques and support both the exploration and the paper 3 examination over 150 pages of coursework guides to introduce students to the essentials behind getting an excellent mark on their exploration coursework](#)

sequences stem learning - Nov 06 2022

web sequences this smile resource contains three packs of games investigations worksheets and practical activities supporting the teaching and learning of sequences from finding the next two terms of a simple linear sequence to exploring the limits of sequences

intro to arithmetic sequence formulas khan academy - Sep 04 2022

web get comfortable with the basics of explicit and recursive formulas for arithmetic sequences before taking this lesson make sure you know the basics of arithmetic sequences and have some experience with evaluating functions and function domain

[results for arithmetic sequence activity ppt](#) - Dec 27 2021

web practice identifying arithmetic and geometric sequences students will color the leaf according to the code these will make a great bulletin board or classroom decorations subjects autumn holidays seasonal math grades 4 th 9 th types bulletin board ideas games also included in number sense bundle differentiated activities free 4 8 20

[11 2 arithmetic sequences mathematics libretexts](#) - Jun 01 2022

web an arithmetic sequence is a sequence that has the property that the difference between any two consecutive terms is a constant this constant is called the common difference if a_1 is the first term of an arithmetic sequence and d is the common difference the sequence will be

arithmetic sequence investigation by thinking tricks by tomson - Feb 09 2023

web description this arithmetic sequence investigation will support students thinking through the definition of arithmetic sequence finding equations for arithmetic sequences finding missing terms and making the connection to linear functions

sequences and series an introduction to mathematical analysis - Jul 14 2023

web we begin by discussing the concept of a sequence intuitively a sequence is an ordered list of objects or events for instance the sequence of events at a crime scene is important for understanding the nature of the crime

intro to arithmetic sequences algebra article khan academy - Apr 11 2023

web what is an arithmetic sequence for many of the examples above the pattern involves adding or subtracting a number to each term to get the next term sequences with such patterns are called arithmetic sequences in an arithmetic sequence the difference between consecutive terms is always the same

intro to arithmetic sequences algebra video khan academy - Oct 05 2022

web an arithmetic sequence is a sequence where each term increases by adding subtracting some constant k this is in contrast to a geometric sequence where each term increases by dividing multiplying some constant k