

basic education

Department: Basic Education REPUBLIC OF SOUTH AFRICA

Matric Supplementary Exams 2024: Study Guide and Preparation Tips

www.dailyupdate.co.za

Gauteng Matric 2014 Exemplar Papers And Supplementary Exams

Joacim Rocklöv

Gauteng Matric 2014 Exemplar Papers And Supplementary Exams:

Embark on a breathtaking journey through nature and adventure with is mesmerizing ebook, **Gauteng Matric 2014 Exemplar Papers And Supplementary Exams**. This immersive experience, available for download in a PDF format (PDF Size: *), transports you to the heart of natural marvels and thrilling escapades. Download now and let the adventure begin!

https://staging.conocer.cide.edu/results/uploaded-files/HomePages/Instructors Solutions Manual For College Algebra.pdf

Table of Contents Gauteng Matric 2014 Exemplar Papers And Supplementary Exams

- 1. Understanding the eBook Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - The Rise of Digital Reading Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - 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 Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - Personalized Recommendations
 - o Gauteng Matric 2014 Exemplar Papers And Supplementary Exams User Reviews and Ratings
 - Gauteng Matric 2014 Exemplar Papers And Supplementary Exams and Bestseller Lists
- 5. Accessing Gauteng Matric 2014 Exemplar Papers And Supplementary Exams Free and Paid eBooks
 - Gauteng Matric 2014 Exemplar Papers And Supplementary Exams Public Domain eBooks
 - Gauteng Matric 2014 Exemplar Papers And Supplementary Exams eBook Subscription Services
 - Gauteng Matric 2014 Exemplar Papers And Supplementary Exams Budget-Friendly Options
- 6. Navigating Gauteng Matric 2014 Exemplar Papers And Supplementary Exams eBook Formats

- o ePub, PDF, MOBI, and More
- Gauteng Matric 2014 Exemplar Papers And Supplementary Exams Compatibility with Devices
- Gauteng Matric 2014 Exemplar Papers And Supplementary Exams Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - o Adjustable Fonts and Text Sizes of Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - Highlighting and Note-Taking Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - Interactive Elements Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
- 8. Staying Engaged with Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
- 9. Balancing eBooks and Physical Books Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - Setting Reading Goals Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - Fact-Checking eBook Content of Gauteng Matric 2014 Exemplar Papers And Supplementary Exams
 - 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

Gauteng Matric 2014 Exemplar Papers And Supplementary Exams Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Gauteng Matric 2014 Exemplar Papers And Supplementary Exams free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Gauteng Matric 2014 Exemplar Papers And Supplementary Exams free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Gauteng Matric 2014 Exemplar Papers And Supplementary Exams free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify the authenticity of the source before downloading Gauteng Matric 2014 Exemplar Papers And Supplementary Exams. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article,

such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Gauteng Matric 2014 Exemplar Papers And Supplementary Exams any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Gauteng Matric 2014 Exemplar Papers And Supplementary Exams Books

- 1. Where can I buy Gauteng Matric 2014 Exemplar Papers And Supplementary Exams books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
- 2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
- 3. How do I choose a Gauteng Matric 2014 Exemplar Papers And Supplementary Exams book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
- 4. How do I take care of Gauteng Matric 2014 Exemplar Papers And Supplementary Exams books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
- 5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
- 6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
- 7. What are Gauteng Matric 2014 Exemplar Papers And Supplementary Exams audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
- 8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media

- or recommend them to friends.
- 9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
- 10. Can I read Gauteng Matric 2014 Exemplar Papers And Supplementary Exams books for free? Public Domain Books: Many classic books are available for free as theyre in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Gauteng Matric 2014 Exemplar Papers And Supplementary Exams:

instructors solutions manual for college algebra

interactive graphics in cad

interaction revision de grammaire française by st. onge 5th edition

integ sci jamaica bk1 2e

instrumental music in the worship

intellectual history of liberalism

integrated pest management for cole crops and lettuce pb 1985

instructors resource manual to accompany introductory circuit analysis seventh edition

intended for pleasure sex techniques and sexual fulfillment in christian marriages

intellectual property in the global marketplace

intercultural communication a discourse approach language in society 21

intangible investments

interactive design 2

instructors resource manual to applied calculus for business economics life sciences... 7e seventh 2000 interconnection noise in vlsi circuits

Gauteng Matric 2014 Exemplar Papers And Supplementary Exams:

atomicphysicssectionguizguantummechanicsholt dev sfcg - Dec 26 2022

web 1 pt which statement about the atomic nucleus is correct the nucleus is made of protons and neutrons and has a negative charge the nucleus is made of protons and neutrons

atom quiz cool kid facts - Feb 13 2022

web jul $20\ 2023$ the atomic physics section quiz quantum mechanics holt is universally compatible following any devices to read quantum un speakables r a bertlmann

atomic physics section quiz quantum mechanics holt copy - Jan 15 2022

atoms 799 plays quizizz - Sep 22 2022

web mar 8 2017 take this fun quiz to see how much you know about the atom paper boat creative getty images 1 the three basic components of an atom are although they

understanding quantum mechanics quiz oupblog - Apr 29 2023

web unusually varied problems with detailed solutions cover quantum mechanics wave mechanics angular momentum molecular spectroscopy scattering theory more 280

atom basics quiz proprofs quiz - Jul 21 2022

web atomic physics section quiz quantum mechanics holt 3 6 downloaded from uniport edu ng on september 19 2023 by guest enhancing the student s knowledge

holt physics 6th edition solutions and answers quizlet - Oct 04 2023

web our resource for holt physics includes answers to chapter exercises as well as detailed information to walk you through the process step by step with expert solutions for

atomic physics section quiz quantum mechanics holt - Mar 29 2023

web the einstein podolsky and rosen paradox in atomic nuclear and particle physics holt physics breaking the unbreakable quantum un speakables quantum arrangements

atom quiz thoughtco - Jun 19 2022

web in quantum mechanics numerical methods in quantum mechanics identical particles addition of angular momenta scattering theory and semiclassical treatment of

holt physics 2nd edition solutions and answers - Aug 02 2023

web uncommon paths in quantum physics simon and schuster kaplan s gre prep plus 2021 guides you through the gre step by step with expert strategies essential content

atomic physics section quiz quantum mechanics holt - Jan 27 2023

web atomic physics section quiz quantum mechanics holt 2 9 downloaded from uniport edu ng on september 1 2023 by guest quantum mechanics easily enhancing

a short quantum physics quiz proprofs quiz - Feb 25 2023

web sep 26 2023 atomic physics section quiz quantum mechanics holt 1 12 downloaded from uniport edu ng on september

26 2023 by guest atomic physics section quiz

atomic physics section quiz quantum mechanics holt copy - Oct 24 2022

web mar 22 2023 protons have a positive charge and are located in the nucleus of an atom while neutrons have no charge and are also located in the nucleus both protons and

download free atomic physics section quiz quantum - Mar 17 2022

web feb 23 2023 atomic physics section quiz quantum mechanics holt 2 10 downloaded from uniport edu ng on february 23 2023 by guest development of theoretical physics

atomic physics section quiz quantum mechanics holt - May 31 2023

web atomic physics section quiz quantum mechanics holt change concept review answers atomic and nuclear physics by read and download atomic physics

physics section quizes holt studylib net - Sep 03 2023

web practice assessment atomic physics teacher notes and answers 21 atomic physics quantum mechanics given 6 63 6 63 atomic physics section quiz quantum mechanics holt pdf - Dec 14 2021

atomic physics section quiz quantum mechanics holt pdf - Apr 17 2022

web quantum mechanics transcends and supplants classical mechanics at the atomic and subatomic levels it provides the underlying framework for many subfields of physics

$\textbf{hssp2103t secquiz practice name class date studocu} \cdot Jul~01~2023$

web jun 21 2020 quantum mechanics is that part of physics which describes the motions of objects at molecular atomic and sub atomic levels such as photons and electrons

atomic physics section guiz quantum mechanics holt pdf - Nov 24 2022

web this outstanding collection of essays leads the reader from the foundations of quantum mechanics to quantum entanglement quantum cryptography and quantum

atomic physics section quiz quantum mechanics holt copy - Nov 12 2021

read free atomicphysicssectionquizquantummechanicsholt - Aug 22 2022

web twenty first century quantum mechanics hilbert space to quantum computers materializing the foundations of quantum mechanics atomic physics 8 quantum

atomicphysicssectionquizquantummechanicsholt pdf ftp - May 19 2022

web the atom quiz test your knowledge of the atom by trying these quiz questions below you can find all the answers on the

atom page questions 1 what is the most basic

new headway plus beginner student s book pdf scribd - Oct 05 2022

web say the numbers 1 30 round the class 5 listen and tick 7 the numbers you hear 22 12v 10 20 ap et oft eet 4 21 29 19 9 lec taae2 7 23 43 13 30 6 work with a partner student a write five numbers say them to your partner student b write the numbers youhear 14 24 gerd listen and find out

new headway plus special edition beginner teachers book - Jan 08 2023

web new headway plus special edition beginner teachers book oxford university press google books

new headway plus pre intermediate students book 2nd edition - Aug 03 2022

web new headway plus pre intermediate students book 2nd edition osp pack show more paperback 119 inclusive of vat sold as each split into 4 payments of sr 34 5 month with service charges included read more sku 520598 publishing ref 9780194773720

new headway plus special edition elementary teachers book - Dec 07 2022

web aug 25 2011 new headway plus special edition elementary teachers book oxford university press oxford university press aug 25 2011 160 pages

headway plus special edition second edition beginner - Jun 13 2023

web headway plus special edition second edition beginner workbook 978 0 19 477348 5 headway plus special edition second edition beginner teacher s guide with teacher s resource centre 978 0 19 477340 9 headway plus special edition second edition beginner audio cd 978 0 19 477346 1

gender representation in new headway plus special edition - Sep 04 2022

web oct 9 2015 this chapter sought to investigate aspects of gender in one of the currently used english language series namely new headway plus special edition within the conservative context of saudi arabia

new headway plus special edition beginner download - Feb 26 2022

web new headway plus special edition beginner ücretsiz indir new headway plus special edition beginner oxford university press 1 746 000 tanınan programlar 5 228 000 bilinen sürümleri yazılım haberleri

new headway fiyatları cimri com - May 12 2023

web 36 Ürün gösteriliyor new headway fiyatları ve özelliklerini karşılaştır kategori marka ayrıştırması ile en uygun new headway fiyat avantajını yakala cimri com da senin için 36 adet new headway ürünü bulduk new headway kategorisinde en favori ve diğer kategorilerinden birini tercip edip filtre seçimleriyle birlikte new

new headway plus elementary oxford university press - Jul 14 2023

web a special edition of the world s most successful course for the middle east and north africa part of new headway plus

language level elementary new headway plus is the course you can always trust its proven methodology focus on grammar clear vocabulary syllabus integrated skills work gives you lessons that really work in class pdf teaching new headway plus english course researchgate - Mar 30 2022

web dec 22 2020 december 2002 journal of philosophy of education duke maskell the difference between training and education has been recognised at least since the days when socrates searched athens for

new headway plus special edition pre intermediate download - Jun 01 2022

web new headway plus special edition pre intermediate ücretsiz indir new headway plus special edition pre intermediate oxford university press 1 746 000 tanınan programlar 5 228 000 bilinen sürümleri yazılım haberleri anasayfa güncellemeleri Çeşitli

headway plus special edition second edition elementary - Apr 11 2023

web isbn 978 0 19 477352 2 headway plus special edition second edition upper intermediate student book with online practice is well known in saudi arabia for its ability to teach practical real life english that is relevant to students lives and topics grounded in

new headway plus special edition beginner oxford learn pack - Nov 06 2022

web abebooks com new headway plus special edition beginner oxford learn pack 9780194770927 by soars john and a great selection of similar new used and collectible books available now at great prices

headway plus special edition 2e - Aug 15 2023

web don't have an oxford id account create one now with your access code for headway plus special edition 2e learn more about headway plus special edition 2e help and support

new headway plus special edition pre intermediate class cd 2 - Mar 10 2023

web new headway plus special edition pre intermediate class cd 2 discs amazon com tr kitap

web learn more about headway plus special edition 2e our new headway course for teachers helps anyone speed up the process of learning how to use all the new headway course books and new headway material click download or read online button to get new headway plus special edition beginner oxford learn pack book now

new headway plus special edition beginner oxford learn pack - Feb 09 2023

web jan 1 2011 new headway plus is the course you can always trust its proven methodology focus on grammar clear vocabulary syllabus integrated skills work gives you lessons that really work in class constant updates mean the material is always current and with a huge range of components including new digital resources for interactive

new headway plus oxford university press - Dec 27 2021

web the middle east version of the world's best selling adult english course a perfectly balanced syllabus strong grammar focus and full support at all five levels language level beginner elementary pre intermediate intermediate and upper intermediate new headway plus is the course you can always trust

special ops lioness reconsidered the new york times - Jan 28 2022

web sep 11 2023 a version of this article appears in print on section c page 4 of the new york edition with the headline special ops lioness a reconsideration order reprints today s paper subscribe

web new headway plus is a very good book i recommend it 0000 00000 0000 00000 00 0000 00 000 00 000

mixed effects models and extensions in ecology with r - Feb 03 2022

mixed effects models and extensions in ecology with r is a paper by alain f zuur elena n ieno neil j walker anatoly a saveliev graham m smith published in the journal springer new york ebooks in 2009 it was published by springer nature it has an open access status of green you can read and download a pdf full text of this

mixed effects models and extensions in ecology with r - May 06 2022

mixed effects models and extensions in and a celebration it is the authors show how just ecology with r confronts these and other familiar living in the cincinnati area one of the richest fossil challenges with a comprehensible approach early regions of the world has literally transformed the chapters on applied theory are effectively com

mixed effects models and extensions in ecology with r - Feb 15 2023

mixed effects models and extensions in ecology with r series statistics for biology and health explains essential statistical tools for the ecologist includes detailed case studies describing how to choose the most appropriate analysis uses the r statistical program throughout

mixed effects models and extensions in ecology with r - Jan 14 2023

jan 1 2009 a mixed effects model contains both fixed effect variables and random effect variables 27 101 a fixed effects variable is treated with a constant coefficient and intercept for all the

mixed effects models and extensions in ecology with r - Jun 19 2023

jan 1 2009 mixed effects models and extensions in ecology with r alain f zuur elena n ieno neil j walker anatoly a saveliev graham m smith springer verlag new york 2009 isbn

mixed effects models and extensions in ecology with r - Sep 22 2023

building on the successful analysing ecological data 2007 by zuur ieno and smith the authors now provide an expanded introduction to using regression and its extensions in analysing ecological data as with the earlier book real data sets from

postgraduate ecological studies or research projects are used throughout

mixed effects models and extensions in ecology with r by - Sep 10 2022

sep $14\ 2009$ mixed effects models and extensions in ecology with r by zuur a f ieno e n walker n j saveliev a a and smith g m carl james schwarz first published 14 september 2009 doi org $10\ 1111$ j 1541

pdf mixed effects models and extensions in ecology with r - Jun 07 2022

this book deals with conventional linear regression models simple and multiple linear regression but also includes three additional chapters on logistic regression serially correlated errors and mixed models i do not find this book as particularly modern as

review of mixed effects models and extensions in ecology with r - Aug 09 2022

may 30 2013 review of mixed effects models and extensions in ecology with r j andrew royle this is a review of the book mixed effects models and extensions in ecology with r by zuur ieno walker saveliev and smith 2009 springer i was asked to review this book for the american statistician in 2010 after i wrote the review the invitation was revoked mixed effect models and extensions in ecology with r - Mar 16 2023

jan 1 2009 this chapter explains how correlation structures can be added to the linear regression and additive model the mixed effects models from chapters 4 and 5 can also be extended with a

mixed effects models and extensions in ecology with r1 - Jul 20 2023

the authors cover the basics of mixed models and models for counts binomial poisson negative binomial the bread and butter of statistical modeling in ecology while emphasizing random effects variance heterogeneity over dispersion de pendence and special situations including zero truncation and zero inflation

mixed effects models and extensions in ecology with r - Oct 11 2022

mar 5 2009 mixed effects models and extensions in ecology with r alain zuur elena n ieno neil walker anatoly a saveliev graham m smith springer science business media mar 5 2009 science 574

mixed effects models and extensions in ecology with r - Aug 21 2023

sep 20 2010 the coverage of the book is broad the contents are split into 23 chapters and one appendix these chapters cover extensions of mixed models and many related issues such concepts as heterogeneity and independence or exponential families are well explained but the key point of the book is the extension of mixed models

mixed effects models and extensions in ecology with r - Nov 12 2022

mixed e ects models and extensions in ecology with r alain f zuur elena n ieno neil j walker anatoly a saveliev graham m smith springer verlag new york 2009 isbn 978 0 387 87457 9 574 pp usd 84 95 h highstat com this book is written in a very approachable conversational style the additional focus on the

download mixed effects models and extensions in ecology with - Apr 05 2022

download pdf mixed effects models and extensions in ecology with r pdf 5uu7a572qat0 building on the successful em analysing ecological data 2007 by zuur ieno and smith the authors now provide an e mixed effects models and extensions in ecology with r - May 18 2023

jan 1 2009 generalized additive mixed effect models gamms were used in this study firstly because gams and gamms permit the inclusion of non linear relationships hastie tibshirani 1986 such as

mixed effects models and extensions in ecology with r apple - Mar 04 2022

mar $5\ 2009$ mixed effects models and extensions in ecology with r alain zuur and others $79\ 99$ publisher description building on the successful analysing ecological data 2007 by zuur ieno and smith the authors now provide an expanded introduction to using regression and its extensions in analysing ecological data

 $\underline{\text{mixed effects models and extensions in ecology with } r}$ - Jul 08 2022

oct 1 2010 mixed effects models and extensions in ecology with r request pdf mixed effects models and extensions in ecology with r october 2010 doi repec authors ana f militino

mixed effects models and extensions in ecology with - Apr 17 2023

sep 14 2009 mixed effects models and extensions in ecology with r by zuur a f ieno e n walker n j saveliev a a and smith g m carl james schwarz carl james schwarz

mixed effects models and extensions in ecology with r - Dec 13 2022

sep 20 2010 mixed effects models and extensions in ecology with r ana f militino first published 20 september 2010 doi org 10 1111 j 1467 985x 2010 00663 9 x citations 16 read the full text pdf tools share no abstract is available for this article citing literature volume 173 issue 4 october 2010 pages 938 939 related information