

# Basic Electrical Engineering

FOURTH EDITION



**Mc  
Graw  
Hill**

**D P Kothari  
I J Nagrath**

# Basic Electrical Engineering Nagrath Kothari

**Dr. Ramana Pilla, Dr. M Surya  
Kalavathi & Dr. G T Chandra Sekhar**

## **Basic Electrical Engineering Nagrath Kothari:**

**Fundamentals of Electrical Engineering** Dr. Yaduvir Singh, Mandhir Verma, 2010-02      **THEORY AND PROBLEMS OF BASIC ELECTRICAL ENGINEERING** D. P. KOTHARI, I. J. NAGRATH, 1998-01-01 For the first time in India we have a comprehensive introductory book on Basic Electrical Engineering that caters to undergraduate students of all branches of engineering and to all those who are appearing in competitive examinations such as AMIE GATE and graduate IETE The book provides a lucid yet exhaustive exposition of the fundamental concepts techniques and devices in basic electrical engineering through a series of carefully crafted solved examples multiple choice objective type questions and review questions The book covers in general three major areas electric circuit theory electric machines and measurement and instrumentation systems      **Basic Electrical Engineering**, 2001-12      **Basic Electrical Engineering** Dr. Ramana Pilla, Dr. M Surya Kalavathi & Dr. G T Chandra Sekhar, 2022-01-03 This book is designed based on revised syllabus of JNTU Hyderabad AICTE model curriculum for under graduate B Tech BE students of all branches those who study Basic Electrical Engineering as one of the subject in their curriculum The primary goal of this book is to establish a firm understanding of the basic laws of Electric Circuits Network Theorems Resonance Three phase circuits Transformers Electrical Machines and Electrical Installation      **THEORY AND PROBLEMS OF BASIC ELECTRICAL ENGINEERING,, Second Edition** NAGRATH, I. J., 2016-08-19 This comprehensive book with a blend of theory and solved problems on Basic Electrical Engineering has been updated and upgraded in the Second Edition as per the current needs to cater undergraduate students of all branches of engineering and to all those who are appearing in competitive examinations such as AMIE GATE and graduate IETE The text provides a lucid yet exhaustive exposition of the fundamental concepts techniques and devices in basic electrical engineering through a series of carefully crafted solved examples multiple choice objective type questions and review questions The book covers in general three major areas electric circuit theory electric machines and measurement and instrumentation systems      **Basic Electrical Engineering** J. P. Tewari, 2003 This Book Is Written For Use As A Textbook For The Engineering Students Of All Disciplines At The First Year Level Of The B Tech Programme The Text Material Will Also Be Useful For Electrical Engineering Students At Their Second Year And Third Year Levels It Contains Four Parts Namely Electrical Circuit Theory Electromagnetism And Electrical Machines Electrical Measuring Instruments And Lastly The Introduction To Power Systems This Book Also Contains A Good Number Of Solved And Unsolved Numerical Problems At The End Of Each Chapter References Are Included For Those Interested In Pursuing A Detailed Study      *Basic Electrical Engineering* D. P. Kothari, 2010      **Circuit and Network Theory** **GATE, PSUS AND ES Examination** Satish K Karna, Test Prep for Circuit and Network Theory GATE PSUS AND ES Examination      *Obstetrics and Gynaecology Protocols and Guidelines* Mr. Rohit Manglik, 2024-07-30 This book integrates obstetrics and gynaecology protocols to provide a unified approach to women s health management in clinical practice      Basic Electrical Engineering

SINGH, S. N.,2010-10-30 This book presents comprehensive coverage of all the basic concepts in electrical engineering It is designed for undergraduate students of almost all branches of engineering for an introductory course in essentials of electrical engineering This book explains in detail the properties of different electric circuit elements such as resistors inductors and capacitors The fundamental concepts of dc circuit laws such as Kirchhoff s current and voltage laws and various network theorems such as Thevenin s theorem Norton s theorem superposition theorem maximum power transfer theorem reciprocity theorem and Millman s theorem are thoroughly discussed The book also presents the analysis of ac circuits and discusses transient analysis due to switch operations in ac and dc circuits as well as analysis of three phase circuits It describes series and parallel RLC circuits magnetic circuits and the working principle of different kinds of transformers In addition the book explains the principle of energy conversion the operating characteristics of dc machines three phase induction machines and synchronous machines as well as single phase motors Finally the book includes a discussion on technologies of electric power generation along with the different types of energy sources Key Features Includes numerous solved examples and illustrations for sound conceptual understanding Provides well graded chapter end problems to develop the problem solving capability of the students Supplemented with three appendices addressing matrix algebra trigonometric identities and Laplace transforms of commonly used functions to help students understand the mathematical concepts required for the study of electrical engineering Basic Electrical and Instrumentation Engineering Sivaraman Palanisamy,Sharmeela Chenniappan,A. Thaiyal Nayagi,R. Mahendran,2021-01-13 Electrical and instrumentation engineering is changing rapidly and it is important for the veteran engineer in the field not only to have a valuable and reliable reference work which he or she can consult for basic concepts but also to be up to date on any changes to basic equipment or processes that might have occurred in the field Covering all of the basic concepts from three phase power supply and its various types of connection and conversion to power equation and discussions of the protection of power system to transformers voltage regulation and many other concepts this volume is the one stop go to for all of the engineer s questions on basic electrical and instrumentation engineering There are chapters covering the construction and working principle of the DC machine all varieties of motors fundamental concepts and operating principles of measuring and instrumentation both from a high end point of view and the point of view of developing countries emphasizing low cost methods A valuable reference for engineers scientists chemists and students this volume is applicable to many different fields across many different industries at all levels It is a must have for any library **Fundamentals of Electrical and Electronics Engineering | AICTE Prescribed Textbook - English** Susan S. Mathew,Saji T. Chacko,2021-11-01 Fundamentals of Electrical Electronics Engineering is a compulsory paper for the first year Diploma course in Engineering Technology Syllabus of this book is strictly aligned as per model curriculum of AICTE and academic content is amalgamated with the concept of outcome based education Books covers six topics Overview of Electronics Components and Signals

Overview of Analog Circuits Overview of Digital Electronics Electric and magnetic Circuits A C Circuits and Transformer and Machines Each topic is written in easy and lucid manner A set of exercises at the end of each unit to test the student's comprehension is provided Some salient features of the book are Content of the book aligned with the mapping of Course Outcomes Programs Outcomes and Unit Outcomes The practical applications of the topics are discussed along with micro projects and activities for generating further curiosity as well as improving problem solving capacity The book provides lots of vital facts concepts principles and other interesting information QR Codes of video resources and websites to enhance use of ICT for relevant supportive knowledge have been provided Student and teacher centric course materials included in book in balanced manner Figures tables equations and comparative charts are inserted to improve clarity of the topics Objective questions and subjective questions are given for practices of students at the end of each unit Solved and unsolved problems including numerical examples are solved with systematic steps

**ELECTRONIC DEVICES AND CIRCUITS** NAGRATH, I. J., 2007-09-13 Designed specifically for undergraduate students of Electronics and Electrical Engineering and its related disciplines this book offers an excellent coverage of all essential topics and provides a solid foundation for analysing electronic circuits It covers the course named Electronic Devices and Circuits of various universities The book will also be useful to diploma students AMIE students and those pursuing courses in B Sc Electronics and M Sc Physics The students are thoroughly introduced to the full spectrum of fundamental topics beginning with the theory of semiconductors and p n junction behaviour The devices treated include diodes transistors BJTs JFETs and MOSFETs and thyristors The circuitry covered comprises small signal ac power amplifiers oscillators and operational amplifiers including many important applications of those versatile devices A separate chapter on IC fabrication technology is provided to give an idea of the technologies being used in this area There are a variety of solved examples and applications for conceptual understanding Problems at the end of each chapter are provided to test reinforce and enhance learning

*Electrical Technology* N. P Subramaniam, 2017-08-04 ELECTRICAL TECHNOLOGY is systematically developed to meet the syllabus of undergraduate course in Electrical Engineering of various universities The complicated concepts are explained in a lucid manner with the help of necessary diagrams and waveforms Comprehensive coverage has been made to explain the concepts of application level topics like Electric Traction and Power Electronics Review questions have been added at the end of each chapter for better understanding of the subject apart from numerous numerical and design problems

**Electric Power Systems for Non-Electrical Engineers** Anup Kumar Tripathi, 2024-12-30 This book explains the electrical power systems for non electrical engineers and includes topics like electrical energy systems electrical power systems structure single phase AC circuit fundamentals and three phase systems power system modeling power system representation power system operation power flow analysis economic operation of power systems power system fault analysis power system protection fundamentals and so forth Examples have been provided to clarify the description and review questions are provided at the end of each

chapter Features Provides a simplified description of fundamentals of electrical energy systems and structure of electrical power systems for non electrical engineers Gives a detailed description of AC circuit fundamentals and three phase systems Describes power system modeling and power system representation Covers power system operation power flow analysis and fundamentals of economic operation of power systems Discusses power system fault analysis and fundamentals of power system protection with examples and also includes renewable energy systems This book has been aimed at senior undergraduate and graduate students of non electrical engineering background

**INTRODUCTION TO ELECTRICAL ENGINEERING** GANGULY, PARTHA KUMAR, 2013-11-02 Introduction to Electrical Engineering presents a comprehensive coverage of a broad range of key topics including principles and techniques industrial applications transformers and AC DC machine operation The book has an excellent blend of theory and solved examples Following a simple and engaging style this book can be considered as a single source information meeting the requirements of the readers It is intended for catering the needs of engineering students of all branches and eminently suited as a textbook for the students of B E B Tech AMIE and diploma courses in electrical engineering Besides this the book would also be appreciated by all those students who are preparing for GATE and UPSC competitive examinations as well as by the practising engineers Key Features Exclusive coverage of the syllabus prescribed for the undergraduate students of engineering In depth presentation of all key topics Sufficient worked out examples to support and reinforce concepts Pedagogical features such as chapterwise key points to recall concepts and exercises as well as numerical problems with answers for practice

Indian National Bibliography B. S. Kesavan, 2010 *Electric Circuits and Networks* Jamuna K., Nilanjan Tewari, 2025-06-01

**GATE FOR ELECTRICAL ENGINEERING** CHANDA, CHANDAN KUMAR, BANERJEE, SUMIT, CHAKRABARTI, ABHIJIT, 2016-04-14 Today the Graduate Aptitude Test in Engineering GATE is one of the prestigious toughest and recognized national level examinations for engineering students This book has been written by utilizing a couple of decade s experience of the authors in the teaching profession The text is intended for the aspirants of GATE examination It should also be equally useful for those who wish to crack the examinations of public sector units like DRDO BARC BHEL DVC NTPC ONGC SAIL ISRO GAIL NHPC PGCIL IOCL HAL and many more Public Sector Undertakings The book will also be useful for those who want to appear for IES examination It fosters the nomenclature of the chapters according to the textbooks for easy reference This book garners a gamut of all the topics related to the field of Electrical Engineering **SALIENT FEATURES OF THE BOOK** The subject has been presented chapter wise in a graded manner and has a detailed coverage of the GATE syllabus as per the guidelines Contains general aptitude verbal ability numerical aptitude and engineering mathematics Includes chapter wise important questions as well as previous years GATE questions with its solutions indepth explanation in lucid and understandable language Adequate study materials including comprehensive theory to enhance learning ability More emphasis on fundamentals to crack the tricky problem during the examination Important key points are provided for a quick recap and a

sort of ready reckoner for the students before the examination Step by step and simple problem solving technique enables the students to sharpen their problem solving skills for GATE and other competitive examinations Develops passion for this interesting and pulsating subject like Electrical Engineering Provides companion CD containing previous 13 years solved GATE question papers      *The Indian National Bibliography* B. S. Kesavan, 2010

Uncover the mysteries within is enigmatic creation, Discover the Intrigue in **Basic Electrical Engineering Nagrath Kothari** . This downloadable ebook, shrouded in suspense, is available in a PDF format ( \*). Dive into a world of uncertainty and anticipation. Download now to unravel the secrets hidden within the pages.

<https://cmsemergencymanual.iom.int/public/publication/fetch.php/employment%20law%20for%20human%20resource%20practice%204th%20ed.pdf>

## **Table of Contents Basic Electrical Engineering Nagrath Kothari**

1. Understanding the eBook Basic Electrical Engineering Nagrath Kothari
  - The Rise of Digital Reading Basic Electrical Engineering Nagrath Kothari
  - Advantages of eBooks Over Traditional Books
2. Identifying Basic Electrical Engineering Nagrath Kothari
  - 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 Basic Electrical Engineering Nagrath Kothari
  - User-Friendly Interface
4. Exploring eBook Recommendations from Basic Electrical Engineering Nagrath Kothari
  - Personalized Recommendations
  - Basic Electrical Engineering Nagrath Kothari User Reviews and Ratings
  - Basic Electrical Engineering Nagrath Kothari and Bestseller Lists
5. Accessing Basic Electrical Engineering Nagrath Kothari Free and Paid eBooks
  - Basic Electrical Engineering Nagrath Kothari Public Domain eBooks
  - Basic Electrical Engineering Nagrath Kothari eBook Subscription Services
  - Basic Electrical Engineering Nagrath Kothari Budget-Friendly Options

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

### **Basic Electrical Engineering Nagrath Kothari Introduction**

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

## FAQs About Basic Electrical Engineering Nagrath Kothari 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. Basic Electrical Engineering Nagrath Kothari is one of the best book in our library for free trial. We provide copy of Basic Electrical Engineering Nagrath Kothari in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Basic Electrical Engineering Nagrath Kothari. Where to download Basic Electrical Engineering Nagrath Kothari online for free? Are you looking for Basic Electrical Engineering Nagrath Kothari PDF? This is definitely going to save you time and cash in something you should think about.

## Find Basic Electrical Engineering Nagrath Kothari :

[employment law for human resource practice 4th ed](#)

**ember js cookbook**

*engineering thermodynamics p k nag*

*en 50121 4 2016 railway applications shop standards ie*

~~english for aviation anglo continental~~

[elementary differential equations rainville bedient solutions](#)

[engineering mechanics dynamics pytel solution](#)

[engineering electromagnetics hayt 7th edition solution](#)

**english premier league injury table physioroom com**

[english for useful phrases and vocabulary presentations](#)

**encyclopedia of everything discovery kids**

**engineering mechanics statics si version 3rd edition by pytel andrew kiusalaas jaan 2010 paperback**

[english for business studies teachers book pdf](#)  
[engineering mathematics das pal pdf download vol 1](#)  
[engineering mathematics by dt deshमुख](#)

### **Basic Electrical Engineering Nagrath Kothari :**

Restaurant Operations Manual Template Free Aug 5, 2023 — A restaurant operations manual template is a comprehensive guide that outlines the processes and procedures for every aspect of a restaurant. It ... 6+ Restaurant Operations Plan Templates & Samples 6+ Restaurant Operations Plan Templates & Samples - PDF, Word. Day in and day out ... Restaurant Operational Manual Template. Free Restaurant Operations Manual Checklists - Eat App Download our free & easy-to-use restaurant operations manual checklist template now to access example and customizable checklists. Free Restaurant Operations Manual Template - Eat App Learn more about creating an operations manual for your restaurant and download our free template today. 6+ Restaurant Manual Templates | Free Printable Word & ... Restaurant Manual Templates | 6+ Free Word, Excel & PDF Formats, Samples, Examples, Designs. A restaurant manual template is a crucial document ... Free Restaurant Training Manual Template - Toast Use this restaurant training manual template to create a custom training manual for your restaurant, outlining staff expectations, functions of their role, ... Free Restaurant Training Manual Template - TouchBistro Use our free restaurant training manual PDF to create a handy guidebook for new staff and streamline the onboarding process. Restaurant Operation Manual | PDF - Scribd Restaurant Operation Manual - Free ebook download as Word Doc (.doc / . ... Business Templates · Court Filings · All documents · Sports & Recreation. Download Your Free Restaurant Training Manual ... - EdApp We've rounded up the most effective restaurant training manual samples, like Server training Manuals and Restaurant operations Standard Manuals. But to ... MILITARY FOOD ENGINEERING and RATION ... Performance Op- timization research seeks to identify and validate, through sound sci- ence, dietary supplements and phytonutrients,as well as incorporation in ... Military Food Engineering and Ration Technology Systematic synthesis of U.S. military's food product development, processing, packaging, testing, and distribution methods; Provides technical data for ... Military Food Engineering and Ration Technology The book offers new data on numerous technologies used to solve problems such as nutrient densification, lightweighting, novel thermal processing, and long-term ... Military Food Engineering and Ration Technology Systematic synthesis of U.S. military's food product development, processing, packaging, testing, and distribution methods Provides technical data for ... Military Food Engineering and Ration Technology The new Food Acceptance Branch revolutionized sensory and consumer research on military rations. Details are provided on concepts and methods for testing ... Military food engineering and ration technology Military food engineering and ration technology · Combat Feeding Directorate (U.S.) · Food engineers · Food engineers United States · Operational rations ( ... Military Food

Engineering and Ration Technology The book offers new data on numerous technologies used to solve problems such as nutrient densification, lightweighting, novel thermal processing, and long-term ... Military Food Engineering and Ration Technology [Hardback] The book offers new data on numerous technologies used to solve problems such as nutrient densification, lightweighting, novel thermal processing, and long-term ... Military Food Engineering and Ration Technology Systematic synthesis of U.S. military's food product development, processing, packaging, testing, and distribution methods Â· Provides technical data for ... Military Food Engineering and Ration Technology Military Food Engineering and Ration Technology · 1. An Overview of U.S. Military Field Feeding and Combat Rations · 2. Thermal Processing of Rations · 3. Emerging ... The Ancient Mysteries of Melchizedek Revised Edition ... The Ancient Mysteries of Melchizedek Revised Edition (Nabi Moshe Y. Lewis) (Ancient Mysteries of Melchizedek) · Buy New. \$19.46\$19.46. FREE delivery: Jan 9 - 10. Ancient Mysteries of Melchizedek by Lewis, Nabi Moshe Y. This book has been awe inspiring on how to pray and get specific spiritual answers. There is excellent guide lines on how to prostrate myself before my Most ... The Ancient Mysteries of Melchizedek The Ancient Mysteries of Melchizedek will change your life from sickness to health, poverty to riches, despair to hope, sadness to joy, anger to. Ancient Mysteries of Melchizedek by Nabi Moshe Y. Lewis Ancient Mysteries of Melchizedek is a book concerning truth when pressed to the earth will rise again. Ancient Mysteries is the evidence of the above, ... The Ancient Mysteries of Melchizedek Revised Edition ... The Ancient Mysteries of Melchizedek Revised Edition (Nabi Moshe Y. Lewis) (Ancient Mysteries of Melchizedek) by Johanan Lewis, Et Al - ISBN 10: 0966542614 ... The Ancient Mysteries of Melchizedek This best selling metaphysical classic on the wonders of the holy name of YHWH- YAHWEH- has just been revised with exciting new chapters on the war in ... The Ancient Mysteries of Melchizedek The Ancient Mysteries of Melchizedek. The Ancient Mysteries of Melchizedek. 9780966542615. \$17.95. Product Description. ISBN-13: 978-0966542615 The Ancient Mysteries of Melchizedek Revised Edition ... The Ancient Mysteries of Melchizedek Revised Edition (Nabi Moshe Y. Lewis) (Ancient Mysteries of Melchizedek) · 0966542614 · 9780966542615 · Best prices to buy, ... THE ANCIENT MYSTERIES OF MELCHIZEDEK Product Description. by Melchizedek Y. Lewis Synopsis: The Ancient Mysteries of Melchizedek will change your life from sickness to health, poverty to riches ...