

# SECTION III

Rules for Construction of  
Nuclear Facility Components

2015

ASME Boiler and  
Pressure Vessel Code  
An International Code

Division 1 — Subsection NH  
Class 1 Components in Elevated  
Temperature Service

# Elevated Temperature Class 1 Components

**DP Hallahan**

A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located to the right of the author's name.

## **Elevated Temperature Class 1 Components:**

**Requirements for Design of Class 1 Elevated Temperature Nuclear System Components (supplement to ASME Code Case N-47).** ,1986 This standard provides rules for the design of Class 1 nuclear components for use at elevated temperatures It constitutes a complete set of requirements only when used in conjunction with Section III of the ASME Boiler and Pressure Vessel Code ASME Code and addenda and ASME Code Case N 47 Unmodified portions of Code Case N 47 are not repeated in this standard but are considered requirements of this standard **Criteria for Design of Elevated Temperature Class 1 Components in Section III, Division 1, of the ASME Boiler and Pressure Vessel Code** American Society of Mechanical Engineers,1976 *ASME Boiler and Pressure Vessel Code* American Society of Mechanical Engineers. Subcommittee on Nuclear Power,2004 Contains necessary requirements for the material design fabrication examination testing and over pressure protections for Class 1 components parts and accessories which are expected to function even when metal temperatures exceed those covered by the rules and stress limitations of Subsection NB and Tables 2A 2B and 4 of Section 2 Part D Subpart 1 **Analysis of ASME Boiler, Pressure Vessel, and Nuclear Components in the Creep Range** Maan H. Jawad,Robert I. Jetter,2022-08-18 Analysis of ASME Boiler Pressure Vessel and Nuclear Components in the Creep Range Second Edition The latest edition of the leading resource on elevated temperature design In the newly revised Second Edition of Analysis of ASME Boiler Pressure Vessel and Nuclear Components in the Creep Range a team of distinguished engineers delivers an authoritative introduction to the principles of design at elevated temperatures The authors draw on over 50 years of experience explaining the methodology for accomplishing a safe and economical design for boiler and pressure vessel components operating at high temperatures The text includes extensive references offering the reader the opportunity to further their understanding of the subject In this latest edition each chapter has been updated and two brand new chapters added the first is Creep Analysis Using the Remaining Life Method and the second is Requirements for Nuclear Components Numerous examples are included to illustrate the practical application of the presented design and analysis methods It also offers A thorough introduction to creep fatigue analysis of pressure vessel components using the concept of load controlled and strain deformation controlled limits An introduction to the creep requirements in API 579 ASME FFS 1 Remaining Life Method A summary of creep fatigue analysis requirements in nuclear components Detailed procedure for designing cylindrical and spherical components of boilers and pressure vessels due to axial and external pressure in the creep regime A section on using finite element analysis to approximate fatigue in structural members in tension and bending Perfect for mechanical engineers and researchers working in mechanical engineering Analysis of ASME Boiler Pressure Vessel and Nuclear Components in the Creep Range will also earn a place in the libraries of graduate students studying mechanical engineering technical staff in industry and industry analysts and researchers High Temperature Component Life Assessment G.A. Webster,R.A. Ainsworth,2013-03-09 The aim of this book is to investigate and

explain the rapid advances in the characterization of high temperature crack growth behaviour which have been made in recent years with reference to industrial applications Complicated mathematics has been minimized with the emphasis placed instead on finding solutions using simplified procedures without the need for complex numerical analysis

**Handbook of Engineering Practice of Materials and Corrosion** Jung-Chul (Thomas) Eun, 2020-09-04 This handbook is an in depth guide to the practical aspects of materials and corrosion engineering in the energy and chemical industries The book covers materials corrosion welding heat treatment coating test and inspection and mechanical design and integrity A central focus is placed on industrial requirements including codes standards regulations and specifications that practicing material and corrosion engineers and technicians face in all roles and in all areas of responsibility The comprehensive resource provides expert guidance on general corrosion mechanisms and recommends materials for the control and prevention of corrosion damage and offers readers industry tested best practices rationales and case studies

**Rules for Construction of Nuclear Facility Components** American Society of Mechanical Engineers. \$b Subcommittee on Nuclear Power, 2015 Regulatory Guide U.S. Nuclear Regulatory Commission. Office of Standards Development, 1978 Contents 1 Power reactors 2 Research and test reactors 3 Fuels and materials facilities 4 Environmental and siting 5 Materials and plant protection 6 Products 7 Transportation 8 Occupational health 9 Antitrust reviews 10 General

**Fatigue of Materials II** T.S. Srivatsan, M. Ashraf Imam, R. Srinivasan, 2016-12-06 The papers in this collection cover a diverse range of topics on the topic of fatigue of materials The editors have grouped the papers into five sections Sections 1 and 2 contain papers that i review the current state of knowledge both related and relevant to the subject of fatigue behavior of materials and ii present new innovative and emerging techniques for experimental evaluation of the fatigue behavior Sections 3 and 4 focus on advanced materials that are used in performance critical applications in the aerospace and automotive industries such as the alloys of titanium nickel aluminum and magnesium Section 5 presents papers relating to other materials of engineering interest such as iron and steel polymer rubber and composites

**ASME Boiler and Pressure Vessel Code** American Society of Mechanical Engineers. Boiler and Pressure Vessel Committee, 2001 Companion Guide to the ASME Boiler & Pressure Vessel Code K. R. Rao, 2006 This is Volume 1 of the fully revised second edition Organized to provide the technical professional with ready access to practical solutions this revised three volume 2 100 page second edition brings to life essential ASME Codes with authoritative commentary examples explanatory text tables graphics references and annotated bibliographic notes This new edition has been fully updated to the current 2004 Code except where specifically noted in the text Gaining insights from the 78 contributors with professional expertise in the full range of pressure vessel and piping technologies you find answers to your questions concerning the twelve sections of the ASME Boiler and Pressure Vessel Code as well as the B31 1 and B31 3 Piping Codes In addition you find useful examinations of special topics including rules for accreditation and certification perspective on cyclic impact and dynamic loads functionality and operability criteria fluids

pipe vibration stress intensification factors stress indices and flexibility factors code design and evaluation for cyclic loading and bolted flange joints and connections      **Introduction to the Design and Behavior of Bolted Joints** John H. Bickford, Michael Oliver, 2022-12-30 The fully updated Fifth Edition of John H Bickford's classic work updated by Michael Oliver provides a practical detailed guide for the design threaded bolted joints the tightening of threaded joints and the latest design procedures for long term life New sections on materials threads and their strength have been added and coverage of FEA for design analysis is now included Referencing the latest standards this new edition combines fastener materials explanation of how fasteners are made and how fasteners fit together supplementing the basic design coverage included in previous versions of this authoritative text Introduction to the Design and Behavior of Bolted Joints Non Gasketed Joints will be of interest to engineers involved in the design and testing of bolted joints      The Fundamentals of Piping Design Peter Smith, 2013-11-21 Written for the piping engineer and designer in the field this two part series helps to fill a void in piping literature since the Rip Weaver books of the 90s were taken out of print at the advent of the Computer Aid Design CAD era Technology may have changed however the fundamentals of piping rules still apply in the digital representation of process piping systems The Fundamentals of Piping Design is an introduction to the design of piping systems various processes and the layout of pipe work connecting the major items of equipment for the new hire the engineering student and the veteran engineer needing a reference      **Handbook On Mechanics Of Inelastic Solids (In 2 Volumes)** David W A Rees, 2023-03-14 This handbook covers a number of the more recent developments regarding the mechanics of deforming solids In recent years much progress has been reported in the wide ranging mechanical behaviour of solids under stress Here the term stress in a solid arises from a number of external actions including direct tension compression pressure bending shear and torsion Many of the topics covered are yet to find their way into the standard texts which are often restricted to isotropic elasticity and plasticity In this two volume work what might previously have been regarded as disparate specialist topics have been placed within a wider mechanics arena to emphasise their common underlying principles That arena is taken generally as one of inelasticity for dealing with the essential mechanics of these phenomena Therein this text brings together theory experimental data key references examples and exercises particularly those that relate to the important advances in the subject both old and new The presentation of material featured in this way anticipates that in their turn these additional topics will be recognised as essential material for study among engineers physicists and applied mathematicians at undergraduate and postgraduate levels      **The Wiley Engineer's Desk Reference** Sanford I. Heisler, 1998-04-24 The Reference of Choice for Today's Engineer Revised expanded updated and ready to use Every engineer should have a copy of the bestselling Wiley Engineer's Desk Reference the ideal all in one resource for practical engineering applications and daily problem solving Now fully updated to address the latest developments in theory and practice this brand new Second Edition balances authoritative coverage of classical engineering topics with new material on state of the art subjects such as

composites lasers automatic data collection and more No other book on the market covers the broad spectrum of engineering in as concise a fashion So whether you re looking for a specific piece of data or general background knowledge this conveniently sized ready reference puts the information you need right at your fingertips Contents include Mathematics Mechanics and materials Hydraulics Structures Thermodynamics Electricity and electronics Process control Statistics and economics Energy sources Engineering practice The design process Tables and reference data     **Research and Development of High Temperature Materials for Industry** E. Bullock,R. Brunetaud,J.F. Conde,S.R. Keown,S.F. Pugh,2012-12-06     **An Introduction to the Design and Behavior of Bolted Joints, Revised and Expanded** John Bickford,2018-05-11 Offering a broad based review of the factors affecting the design assembly and behaviour of bolted joints and their components in all industries this work details various assembly options as well as specific failure modes and strategies for their avoidance This edition features material on the contact stresses between bolt head or nut face and the joint thread forms series and classes the stiffness of raised face flange joints and more     *Pressure Vessels* Somnath Chattopadhyay,2004-10-28 With very few books adequately addressing ASME Boiler Pressure Vessel Code and other international code issues *Pressure Vessels Design and Practice* provides a comprehensive in depth guide on everything engineers need to know With emphasis on the requirements of the ASME this consummate work examines the design of pressure vessel com     Applications of Automation Technology to Fatigue and Fracture Testing Arthur A. Braun,Fraser M. Smith,1990 Provides both specific and general information regarding state of the art materials testing using automation technology as a means of improving the reliability of data eliminating the need for constant operator supervision running tests that would be impossible without a computer and reducing an     **Low-cycle Fatigue and Life Prediction C.** Amzallag,B. N. Leis,P. Rabbe,1982 ASTM Special Technical Publication 770 ASTM Publication Code Number PCN 04 770000 30 The International Symposium on Low Cycle Fatigue and Life Prediction sponsored by the French Metallurgical Society and ASTM was held in Firminy France on 23 25 September 1980 Foreword Includes bibliographical references and indexes Electronic reproduction W Conshohocken Pa ASTM International 2011 Mode of access World Wide Web System requirements Web browser Access may be restricted to users at subscribing institutions

Delve into the emotional tapestry woven by Emotional Journey with in Experience **Elevated Temperature Class 1 Components** . This ebook, available for download in a PDF format ( Download in PDF: \*), is more than just words on a page; it is a journey of connection and profound emotion. Immerse yourself in narratives that tug at your heartstrings. Download now to experience the pulse of each page and let your emotions run wild.

[http://www.pet-memorial-markers.com/files/Resources/Documents/english\\_heritage\\_of\\_maiden\\_castle.pdf](http://www.pet-memorial-markers.com/files/Resources/Documents/english_heritage_of_maiden_castle.pdf)

## **Table of Contents Elevated Temperature Class 1 Components**

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

6. Navigating Elevated Temperature Class 1 Components eBook Formats
  - ePub, PDF, MOBI, and More
  - Elevated Temperature Class 1 Components Compatibility with Devices
  - Elevated Temperature Class 1 Components Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Elevated Temperature Class 1 Components
  - Highlighting and Note-Taking Elevated Temperature Class 1 Components
  - Interactive Elements Elevated Temperature Class 1 Components
8. Staying Engaged with Elevated Temperature Class 1 Components
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Elevated Temperature Class 1 Components
9. Balancing eBooks and Physical Books Elevated Temperature Class 1 Components
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Elevated Temperature Class 1 Components
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Elevated Temperature Class 1 Components
  - Setting Reading Goals Elevated Temperature Class 1 Components
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Elevated Temperature Class 1 Components
  - Fact-Checking eBook Content of Elevated Temperature Class 1 Components
  - 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

### **Elevated Temperature Class 1 Components Introduction**

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Elevated Temperature Class 1 Components PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Elevated Temperature Class 1 Components PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free

downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Elevated Temperature Class 1 Components free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

### **FAQs About Elevated Temperature Class 1 Components 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. Elevated Temperature Class 1 Components is one of the best book in our library for free trial. We provide copy of Elevated Temperature Class 1 Components in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Elevated Temperature Class 1 Components. Where to download Elevated Temperature Class 1 Components online for free? Are you looking for Elevated Temperature Class 1 Components PDF? This is definitely going to save you time and cash in something you should think about.

### **Find Elevated Temperature Class 1 Components :**

*english heritage of maiden castle*

[english matters vol 8](#)

english-russian russian-english hippocrene practical dictionaries

**english way of death**

englishness and national culture

**englishmen abroad being an account of their travels in the seventeenth century**

english phrasal verbs in japanese

english for business communication audio cassettes 2

**english skills practice teachers edition gold edition grade 6**

*english - its life and times*

english vocabulary quick reference a comprehensive dictionary arranged by word roots

english language skills macmillan modern office series

english lao-lao-english dictionary

english literature of the dominions writings on australia canada and new zealand

*english history of african american english*

### **Elevated Temperature Class 1 Components :**

Elements of Physical... by Peter Atkins and Julio de Paula Elements of Physical Chemistry 5th (fifth) Edition by Atkins, Peter, de Paula, Julio published by W. H. Freeman (2009) · Buy New. \$199.32\$199.32. \$3.99 delivery: ... Elements of Physical Chemistry You should now be familiar with the following concepts. 1 Physical chemistry is the branch of chemistry that establishes and develops the principles of ... Elements of Physical Chemistry by Atkins, Peter With its emphasis on physical principles, careful exposition of essential mathematics, and helpful pedagogy, Elements of Physical Chemistry is the ideal text ... Elements of Physical Chemistry, Fifth Edition Atkins & de Paula: Elements of Physical Chemistry, Fifth Edition. ANSWERS TO END OF CHAPTER EXERCISES. Higher Education. © Oxford University ... Elements of Physical Chemistry - Hardcover - Peter Atkins Feb 22, 2017 — Featuring an appealing design and layout, this acclaimed text provides extensive mathematical and pedagogical support while also remaining ... Elements of Physical Chemistry by Julio de Paula ... - eBay With its emphasis on physical principles, careful exposition of essential mathematics, and helpful pedagogy, Elements of Physical Chemistry is the ideal text ... physical chemistry fifth edition Physical Chemistry Fifth Edition ; MATTHEWS' TEXTILE FIBERS: Their Physical, Microscopical, and Chemical Properties.... J. Merritt Matthews; Herbert R. Elements of Physical Chemistry / Edition 5 by Peter Atkins With its emphasis on physical principles, careful exposition of essential mathematics, and helpful pedagogy, Elements of Physical Chemistry is the ideal ... Elements of Physical Chemistry - Peter William Atkins, Julio ... Elements of Physical Chemistry has been carefully developed to help students increase their

confidence when using physics and mathematics to answer ... Elements of Physical Chemistry | Buy | 9781429218139 Book Details ; Elements of Physical Chemistry · 5th edition · 978-1429218139 · Paperback/softback · W. H. Freeman (1/9/2009).

Handbook of Forensic Drug Analysis by Smith, Fred The Handbook of Forensic Drug Analysis is a comprehensive chemical and analytic reference for the forensic analysis of illicit drugs. Handbook of Forensic Drug Analysis - 1st Edition The Handbook of Forensic Drug Analysis is a comprehensive chemical and analytic reference for the forensic analysis of illicit drugs. HANDBOOK OF FORENSIC DRUG ANALYSIS ... drug testing and drug screenings. The Handbook of Forensic Drug Analysis is not meant for the casual reader interested in gaining an overview of illicit drugs. Handbook of Forensic Drug Analysis (Hardcover) Description. The Handbook of Forensic Drug Analysis is a comprehensive chemical and analytic reference for the forensic analysis of illicit drugs. Handbook of Forensic Drug Analysis / Edition 1 The Handbook of Forensic Drug Analysis is a comprehensive chemical and analytic reference for the forensic analysis of illicit drugs. With chapters. Handbook of Forensic Drug Analysis - Fred Smith The Handbook of Forensic Drug Analysis is a comprehensive chemical and analytic reference for the forensic analysis of illicit drugs. Handbook of Forensic Drug Analysis - Smith, Fred The Handbook of Forensic Drug Analysis is a comprehensive chemical and analytic reference for the forensic analysis of illicit drugs. Handbook of Forensic Drug Analysis - Document by CL Winek · 2005 — Gale Academic OneFile includes Handbook of Forensic Drug Analysis by Charles L. Winek. Read the beginning or sign in for the full text. Handbook of Forensic Drug Analysis eBook : Smith, Fred The Handbook of Forensic Drug Analysis is a comprehensive chemical and analytic reference for the forensic analysis of illicit drugs. Handbook of Forensic Drug Analysis - by Fred Smith ... This Handbook discusses various forms of the drug as well as the origin and nature of samples. It explains how to perform various tests, the use of best ... Beginning & Intermediate Algebra (5th Edition) NOTE: This is a standalone book. Elayn Martin-Gay's developmental math textbooks and video resources are motivated by her firm belief that every student can ... Beginning and Intermediate Algebra 5th Edition Beginning and Intermediate Algebra 5th Edition. 4.1 4.1 out of 5 stars 6 Reviews ... Elayn Martin-Gay. 4.3 out of 5 stars 561. Hardcover. 64 offers from \$14.07. Beginning & Intermediate Algebra (5th Edition) Beginning & Intermediate Algebra (5th Edition) by Martin-Gay, Elayn - ISBN 10: 0321785126 - ISBN 13: 9780321785121 - Pearson - 2012 - Hardcover. Martin-Gay, Beginning & Intermediate Algebra Beginning & Intermediate Algebra, 5th Edition. Elayn Martin-Gay, University ... Elayn Martin-Gay's developmental math textbooks and video resources are ... Beginning and Intermediate Algebra | Buy | 9780321785121 Elayn Martin-Gay. Every textbook comes with a 21-day "Any Reason" guarantee. Published by Pearson. Beginning and Intermediate Algebra 5th edition solutions ... beginning and intermediate algebra 5th edition Algebra. Publication Name. Beginning & Intermediate Algebra. Author. Elayn Martin-Gay. Level. Intermediate. Category. Books & Magazines > Textbooks, Education ... Beginning and Intermediate Algebra | Rent | 9780321785862 Rent □ Beginning and Intermediate Algebra 5th edition (978-0321785862) today, or search our site for other □ textbooks by Elayn Martin-Gay.

beginning and intermediate algebra 5th edition 325114606480. Publication Name. Beginning & Intermediate Algebra. Subject Area. Algebra. Type. Workbook. Author. Elayn Martin-Gay. Level. Intermediate. Category. Beginning and Intermediate Algebra Fifth Edition by Elayn ... Beginning and Intermediate Algebra Fifth Edition (5th Edition). by Elayn Martin-Gay. Hardcover, 1032 Pages, Published 2012. ISBN-10: 0-321-78512-6 / 0321785126 Beginning & Intermediate Algebra, 5th edition (STRN0011) SKU: STRN0011 Author: Elayn Martin-Gay Publication Date: 2013 by Pearson Education, Inc. Product Type: Book Product ISBN: 9780321785121