

Access Free Introduction To Fluid Mechanics 8th Edition Solution Manual

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Munson, Young and Okiishi's Fundamentals of Fluid Mechanics [Engineering Mechanics Fluid Mechanics Engineering Mechanics](#) *Mechanics of Materials Munson, Young and Okiishi's Fundamentals of Fluid Mechanics Automotive Mechanics* **Mechanics of Materials** *Mechanics Of Materials 8th Edition, Si Units* **Engineering Fluid Mechanics Munson, Young and Okiishi's Fundamentals of Fluid Mechanics, 8th Edition WileyPLUS NextGen Card with Abridged Loose-Leaf Print Companion Set** *Fox and McDonald's Introduction to Fluid Mechanics Fox and McDonald's Introduction to Fluid Mechanics Fundamentals of Fluid Mechanics* **Craig's Soil Mechanics, Eighth Edition Applied Fluid Mechanics** *Fox and McDonald's Introduction to Fluid Mechanics* **Munson's Fluid Mechanics Fluid Mechanics** *Engineering Mechanics Munson, Young and Okiishi's Fundamentals of Fluid Mechanics Applied Mechanics for Engineering Technology* **Mechanics of Materials Roark's Formulas for Stress and Strain, 8th Edition** [Engineering Mechanics, Binder Ready Version](#) **Soil Mechanics Smith's Elements of Soil Mechanics** *Engineering Mathematics Statics* [Mechanics of Fluids](#) **Engineering Mechanics College Physics Essentials, Eighth Edition** **Engineering Mechanics** [Vector Mechanics for Engineers Statics](#) *Vector Mechanics for Engineers* **Dynamics Mechanics of Fluids, SI Edition** [Engineering Mechanics: Dynamics 7e Binder Ready Version + WileyPLUS Registration Card](#) [Boundary-Layer Theory](#)

Mechanics of Materials Dec 10 2020 Publisher description

[Mechanics of Fluids](#) May 03 2020 As in previous editions, this ninth edition of Massey's *Mechanics of Fluids* introduces the basic principles of fluid mechanics in a detailed and clear manner. This bestselling textbook provides the sound physical understanding of fluid flow that is essential for an honours degree course in civil or mechanical engineering as well as courses in aeronautical and chemical engineering. Focusing on the engineering applications of fluid flow, rather than mathematical techniques, students are gradually introduced to the subject, with the text moving from the simple to the complex, and from the familiar to the unfamiliar. In an all-new chapter, the ninth edition closely examines the modern context of fluid mechanics, where climate change, new forms of energy generation, and fresh water conservation are pressing issues. SI units are used throughout and there are many worked examples. Though the book is essentially self-contained, where appropriate, references are given to more detailed or advanced accounts of particular topics providing a strong basis for further study. For lecturers, an accompanying solutions manual is available.

[Statics](#) Jun 03 2020 Known for its accuracy, clarity, and dependability, Meriam, Kraige, and Bolton's *Engineering Mechanics: Statics*, 8th Edition has provided a solid foundation of mechanics principles for more than 60 years. This text continues to help students develop their problem-solving skills with an extensive variety of engaging problems related to engineering design. In addition to new homework problems, the text includes a number of helpful sample problems. To help students build necessary visualization and problem-solving skills, the text strongly emphasizes drawing free-body diagrams, one of the most important skills needed to solve mechanics problems.

Engineering Fluid Mechanics Jan 23 2022 This reader-friendly book fosters a strong conceptual understanding of fluid flow phenomena through lucid physical descriptions, photographs, clear illustrations and fully worked example problems. More than 1,100 problems, including open-ended design problems and computer-oriented problems, provide an opportunity to apply fluid mechanics principles. Throughout, the authors have meticulously reviewed all problems, solutions, and text material to ensure accuracy. The Student Solutions Manual contains 100 example problems with solutions, designed by the authors to address the main concepts of each chapter of their text, *Engineering Fluid Mechanics*, 7E. These complete worked-out solutions help walk you through problem-solving processes that you can apply to the exercises in the main text.

Munson, Young and Okiishi's Fundamentals of Fluid Mechanics May 27 2022 Fundamentals of Fluid Mechanics, 9th Edition offers comprehensive topical coverage, with varied examples and problems, application of the visual component of fluid mechanics, and a strong focus on effective learning. The authors have designed their presentation to enable the gradual development of reader confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed. The 9th Edition includes new coverage of finite control volume analysis and compressible flow, as well as a selection of new problems. Continuing this important work's tradition of extensive real-world applications, each chapter includes The Wide World of Fluids case study boxes in each chapter. In addition, there are a wide variety of videos designed to enhance comprehension, support visualization skill building and engage students more deeply with the material and concepts.

Craig's Soil Mechanics, Eighth Edition Aug 18 2021 Now in its eighth edition, this bestselling text continues to blend clarity of explanation with depth of coverage to present students with the fundamental principles of soil mechanics. From the foundations of the subject through to its application in practice, Craig's Soil Mechanics provides an indispensable companion to undergraduate courses and beyond. New to this edition: Rewritten throughout in line with Eurocode 7, with reference to other international standards Restructured into two major sections dealing with the basic concepts and theories in soil mechanics and the application of these concepts within geotechnical engineering design New topics include limit analysis techniques, in-situ testing, and foundation systems Additional material on seepage, soil stiffness, the critical state concept, and foundation design Enhanced pedagogy including a comprehensive glossary, learning outcomes, summaries, and visual examples of real-life engineering equipment Also new to this edition is an extensive companion website comprising innovative spreadsheet tools for tackling complex problems, digital datasets to accompany worked examples and problems, a password-protected solutions manual for lecturers covering the end-of-chapter problems, weblinks, extended case studies, and more.

Roark's Formulas for Stress and Strain, 8th Edition Nov 08 2020 THE MOST COMPLETE, UP-TO-DATE GUIDE TO STRESS AND STRAIN FORMULAS Fully revised throughout, Roark's Formulas for Stress and Strain, Eighth Edition, provides accurate and thorough tabulated formulations that can be applied to the stress analysis of a comprehensive range of structural components. All equations and diagrams of structural properties are presented in an easy-to-use, thumb, through format. This extensively updated edition contains new chapters on fatigue and fracture mechanics, stresses in fasteners and joints, composite materials, and biomechanics. Several chapters have been expanded and new topics have been added. Each chapter now concludes with a summary of tables and formulas for ease of reference. This is the definitive resource for designers, engineers, and analysts who need to calculate stress and strain management. ROARK'S FORMULAS FOR STRESS AND STRAIN, EIGHTH EDITION, COVERS: Behavior of bodies under stress Principles and analytical methods Numerical and experimental methods Tension, compression, shear, and combined stress Beams; flexure of straight bars Bending of curved beams Torsion Flat plates Columns and other compression members Shells of revolution; pressure vessels; pipes Bodies in contact undergoing direct bearing and shear stress Elastic stability Dynamic and temperature stresses Stress concentration factors Fatigue and fracture mechanics Stresses in fasteners and joints Composite materials Biomechanics

Engineering Mechanics Jul 29 2022 Known for its accuracy, clarity, and dependability, Meriam, Kraige, and Bolton's Engineering Mechanics: Statics has provided a solid foundation of mechanics principles for more than 60 years. Now in its eighth edition, the text continues to help students develop their problem-solving skills with an extensive variety of engaging problems related to engineering design. In addition to new homework problems, the text includes a number of helpful sample problems. To help students build necessary visualization and problem-solving skills, the text strongly emphasizes drawing free-body diagrams- one of the most important skills needed to solve mechanics problems.

Smith's Elements of Soil Mechanics Aug 06 2020 This core undergraduate textbook for civil engineers is the first to cover the fundamental changes in the ethos of geotechnical design advocated in the now published Eurocode 7. This code will be fully adopted across Europe by 2010 and its implementation will mean a radical shift to limit state design. Ian Smith makes understanding this new approach to geotechnical design less daunting to the student with clear explanatory text, detailed illustrations and several worked examples, covering a range of topics including slope stability, retaining walls and shallow and deep foundations. Downloadable spreadsheets help to illustrate how the new Eurocode is applied and the book's website also gives the worked solutions to self-test questions at the end of each chapter. Now in its 8th edition, this well-established textbook has been updated and re-designed with improved page layout and illustrations making it the essential user-friendly introduction to soil mechanics and geotechnical design to Eurocode 7. To see the author's webpage go to: <http://sbe.napier.ac.uk/esm/>

Engineering Mechanics: Dynamics 7e Binder Ready Version + WileyPLUS Registration Card Jul 25 2019 This package includes a three-hole punched, loose-leaf edition of ISBN 9781118393635 and a registration code for the WileyPLUS course associated with the text. Before you purchase, check with your instructor or review your course syllabus to ensure that your instructor requires WileyPLUS. For customer technical support, please visit <http://www.wileyplus.com/support>. WileyPLUS registration cards are only included with new products. Used and rental products may not include WileyPLUS registration cards. Known for its accuracy, clarity, and dependability, Meriam and Kraige's Engineering Mechanics: Dynamics has provided a solid foundation of mechanics principles for more than 60 years. Now in its seventh edition, the text continues to help students develop their problem-solving skills with an extensive variety of engaging problems related to engineering design. More than 50% of the homework problems are new, and there are also a number of new sample problems. To help students build necessary visualization and problem-solving skills, the text strongly emphasizes drawing free-body diagrams-the most important skill needed to solve mechanics problems.

Dynamics Sep 26 2019 Known for its accuracy, clarity, and dependability, Meriam, Kraige, and Bolton's Engineering Mechanics: Dynamics 8th Edition has provided a solid foundation of mechanics principles for more than 60 years. Now in its eighth edition, the text continues to help students develop their problem-solving skills with an extensive variety of engaging problems related to engineering design. In addition to new homework problems, the text includes a number of helpful sample problems. To help students build necessary visualization and problem-solving skills, the text strongly emphasizes drawing free-body diagrams- one of the most important skills needed to solve mechanics problems.

Mechanics of Fluids, SI Edition Aug 25 2019 Readers gain both an understanding of fluid mechanics and the ability to analyze this important phenomena encountered by practicing engineers with MECHANICS OF FLUIDS, 5E. The authors use proven learning tools to help students visualize many difficult-to-understand aspects of fluid mechanics. The book presents numerous phenomena that are often not discussed in other books, such as entrance flows, the difference between wakes and separated regions, free-stream fluctuations and turbulence, and vorticity. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Engineering Mathematics Jul 05 2020 A groundbreaking and comprehensive reference that's been a bestseller since 1970, this new edition provides a broad mathematical survey and covers a full range of topics from the very basic to the advanced. For the first time, a personal tutor CD-ROM is included.

Munson, Young and Okiishi's Fundamentals of Fluid Mechanics Feb 09 2021 Fundamentals of Fluid Mechanics, 8e Global Edition offers comprehensive topical coverage, with varied examples and problems, application of visual component of fluid mechanics, and strong focus on effective learning. The text enables the gradual development of confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed.

Engineering Mechanics, Binder Ready Version Oct 08 2020 Known for its accuracy, clarity, and dependability, Meriam, Kraige, and Bolton's Engineering Mechanics: Dynamics 8th Edition has provided a solid foundation of mechanics principles for more than 60 years. Now in its eighth edition, the text continues to help students develop their problem-solving skills with an extensive variety of engaging problems related to engineering design. In addition to new homework problems, the text includes a number of helpful sample problems. To help students build necessary visualization and problem-solving skills, the text strongly emphasizes drawing free-body diagrams-one of the most important skills needed to solve mechanics problems.

Applied Fluid Mechanics Jul 17 2021 Intended for undergraduate-level courses in Fluid Mechanics or Hydraulics in Mechanical, Chemical, and Civil Engineering Technology and Engineering programs. This text covers various basic principles of fluid mechanics - both statics and dynamics.

Munson, Young and Okiishi's Fundamentals of Fluid Mechanics Nov 01 2022 NOTE: The Binder-ready, Loose-leaf version of this text contains the same content as the Bound, Paperback version. Fundamentals of Fluid Mechanics, 8th Edition offers comprehensive topical coverage, with varied examples and problems, application of visual component of fluid mechanics, and strong focus on effective learning. The text enables the gradual development of confidence in problem solving. The authors have designed their presentation to enable the gradual development of reader confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed. Continuing this book's tradition of extensive real-world applications, the 8th edition includes more Fluid in the News case study boxes in each chapter, new problem types, an increased number of real-world photos, and additional videos to augment the text material and help generate student interest in the topic. Example problems have been updated and numerous new photographs, figures, and graphs have been included. In addition, there are more videos designed to aid and enhance comprehension, support visualization skill building and engage students more deeply with the material and concepts.

Fox and McDonald's Introduction to Fluid Mechanics Jun 15 2021 Through ten editions, Fox and McDonald's Introduction to Fluid Mechanics has helped students understand the physical concepts, basic principles, and analysis methods of fluid mechanics. This market-leading textbook provides a balanced, systematic approach to mastering critical concepts with the proven Fox-McDonald solution methodology. In-depth yet accessible chapters present governing equations, clearly state assumptions, and relate mathematical results to corresponding physical behavior. Emphasis is placed on the use of control volumes to support a practical, theoretically-inclusive problem-solving approach to the subject. Each comprehensive chapter includes numerous, easy-to-follow examples that illustrate good solution technique and explain challenging points. A broad range of carefully selected topics describe how to apply the governing equations to various problems, and explain physical concepts to enable students to model real-world fluid flow situations. Topics include flow measurement, dimensional analysis and similitude, flow in pipes, ducts, and open channels, fluid machinery, and more. To enhance student learning, the book incorporates numerous pedagogical features including chapter summaries and learning objectives, end-of-chapter problems, useful equations, and design and open-ended problems that encourage students to apply fluid mechanics principles to the design of devices and systems.

Vector Mechanics for Engineers Dec 30 2019 For the past fifty years Beer and Johnston have been the uncontested leaders in the teaching of undergraduate engineering mechanics. Over the years their textbooks have introduced significant theoretical and pedagogical innovations in statics, dynamics, and mechanics of materials education. At the same time, their careful presentation of content, unmatched levels of accuracy, and attention to detail have made their texts the standard for excellence. The new Eighth Edition of Vector Mechanics for Engineers: Statics and Dynamics marks the fiftieth anniversary of the Beer/Johnston series. Continuing in the spirit of its successful previous editions, the Eighth Edition provides conceptually accurate and thorough coverage together with a significant addition of new problems, including biomechanics problems, and the most extensive media resources available.

Fox and McDonald's Introduction to Fluid Mechanics Nov 20 2021 Fox & McDonald's Introduction to Fluid Mechanics 9th Edition has been one of the most widely adopted textbooks in the field. This highly-regarded text continues to provide readers with a balanced and comprehensive approach to mastering critical concepts, incorporating a proven problem-solving methodology that helps readers develop an orderly plan to finding the right solution and relating results to expected physical behavior. The ninth edition features a wealth of example problems integrated throughout the text as well as a variety of new end of chapter problems.

Engineering Mechanics Apr 01 2020 This volume presents the theory and applications of engineering mechanics. Discussion of the subject areas of statics and dynamics covers such topics as engineering applications of the principles of static equilibrium of force systems acting on particles and rigid bodies; structural analysis of trusses, frames, and machines; forces in beams; dry friction; centroids and moments of inertia, in addition to kinematics and kinetics of particles and rigid bodies. Newtonian laws of motion, work and energy; and linear and angular momentum are also presented.

Engineering Mechanics Mar 13 2021 Known for its accuracy, clarity, and dependability, Meriam, Kraige, and Bolton's Engineering Mechanics: Statics, 9th Edition has provided a solid foundation of mechanics principles for more than 60 years. This text continues to help students develop their problem-solving skills with an extensive variety of engaging problems related to engineering design. In addition to new homework problems, the text includes a number of helpful sample problems. To help students build necessary visualization and problem-solving skills, the text strongly emphasizes drawing free-body diagrams, one of the most important skills needed to solve mechanics problems.

Mechanics of Materials Mar 25 2022 Mechanics of Materials, 8e, is intended for undergraduate Mechanics of Materials courses in Mechanical, Civil, and Aerospace Engineering departments. Containing Hibbeler's hallmark student-oriented features, this text is in four-color with a photorealistic art program designed to help students visualize difficult concepts. A clear, concise writing style and more examples than any other text further contribute to students' ability to master the material. Click here for the Video Solutions that accompany this book. Developed by Professor Edward Berger, University of Virginia, these are complete, step-by-step solution walkthroughs of representative homework problems from each section of the text.

Engineering Mechanics Sep 30 2022 Known for its accuracy, clarity, and dependability, Meriam, Kraige, and Bolton's Engineering Mechanics: Dynamics 8th Edition has provided a solid foundation of mechanics principles for more than 60 years. Now in its eighth edition, the text continues to help students develop their problem-solving skills with an extensive variety of engaging problems related to engineering design. In addition to new homework problems, the text includes a number of helpful sample problems. To help students build necessary visualization and problem-solving skills, the text strongly emphasizes drawing free-body diagrams- one of the most important skills needed to solve mechanics problems.

Fundamentals of Fluid Mechanics Sep 18 2021

Vector Mechanics for Engineers Oct 27 2019 The new Eighth Edition of Vector Mechanics for Engineers: Statics marks the fiftieth anniversary of the Beer/Johnston series. Continuing in the spirit of its successful previous editions, the Eighth Edition provides conceptually accurate and thorough coverage together with a significant addition of new problems, including biomechanics problems, and the most extensive media resources available. Text comes with an outstanding media package which includes, Hands on Mechanics, ARIS Homework Management System and YourOtherTeacher.Com

Soil Mechanics Sep 06 2020 This book is intended primarily to serve the needs of the undergraduate civil engineering student and aims at the clear explanation, in adequate depth, of the fundamental principles of soil mechanics. The understanding of these principles is considered to be an essential foundation upon which future practical experience in soils engineering can be built. The choice of material involves an element of personal opinion but the contents of this book should cover the requirements of most undergraduate courses to honours level. It is assumed that the student has no prior knowledge of the subject but has a good understanding of basic mechanics. The book includes a comprehensive range of worked examples and problems set for solution by the student to consolidate understanding of the fundamental principles and illustrate their application in simple practical situations. The International System of Units is used throughout the book. A list of references is included at the end of each chapter as an aid to the more advanced study of any particular topic. It is intended also that the book will serve as a useful source of reference for the practising engineer. In the third edition no changes have been made to the aims of the book. Except for the order of two chapters being interchanged and for minor changes in the order of material in the chapter on consolidation theory, the basic structure of the book is unaltered.

Boundary-Layer Theory Jun 23 2019 This new edition of the near-legendary textbook by Schlichting and revised by Gersten presents a comprehensive overview of boundary-layer theory and its application to all areas of fluid mechanics, with particular emphasis on the flow past bodies (e.g. aircraft aerodynamics). The new edition features an updated reference list and over 100 additional changes throughout the book, reflecting the latest advances on the subject.

Engineering Mechanics Jan 29 2020 This provides a clear and thorough presentation of the theory and applications of engineering mechanics.

Mechanics of Materials Jun 27 2022

Munson, Young and Okiishi's Fundamentals of Fluid Mechanics, 8th Edition WileyPLUS NextGen Card with Abridged Loose-Leaf Print Companion Set Dec 22 2021 There are two WileyPLUS platforms for this title, so please note that you should purchase this version if your course code starts with an "A". This package includes a loose-leaf edition of Fundamentals of Fluid Mechanics, 8th Edition, a new WileyPLUS registration code, and 6 months access to the eTextbook (accessible online and offline). For customer technical support, please visit <http://www.wileyplus.com/support>. WileyPLUS registration cards are only included with new products. Used and rental products may not include valid WileyPLUS registration cards. Fundamentals of Fluid Mechanics, 8th Edition offers comprehensive topical coverage, with varied examples and problems, application of visual component of fluid mechanics, and strong focus on effective learning. The text enables the gradual development of confidence in problem solving. The authors have designed their presentation to enable the gradual development of reader confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed. Continuing this book's tradition of extensive real-world applications, the 8th edition includes more case study boxes in each chapter, new problem types, an increased number of real-world photos, and additional videos to augment the text material and help generate student interest in the topic. Example problems have been updated and numerous new photographs, figures, and graphs have been included. In addition, there are more videos designed to aid and enhance comprehension, support visualization skill building and engage students more deeply with the material and concepts.

Munson's Fluid Mechanics May 15 2021 Munson's Fundamentals of Fluid Mechanics offers comprehensive topical coverage, with varied examples and problems, application of visual component of fluid mechanics, and strong focus on effective learning. The text enables the gradual development of confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed.

Fox and McDonald's Introduction to Fluid Mechanics Oct 20 2021 One of the bestselling texts in the field, Introduction to Fluid Mechanics continues to provide students with a balanced and comprehensive approach to mastering critical concepts. The new eighth edition once again incorporates a proven problem solving methodology that will help students develop an orderly plan to finding the right solution. It starts with basic equations, then clearly states assumptions, and finally, relates results to expected physical behavior. Many of the steps involved in analysis are simplified by using Excel.

Fluid Mechanics Apr 13 2021

College Physics Essentials, Eighth Edition Mar 01 2020 This new edition of College Physics Essentials provides a streamlined update of a major textbook for algebra-based physics. The first volume covers topics such as mechanics, heat, and thermodynamics. The second volume covers electricity, atomic, nuclear, and quantum physics. The authors provide emphasis on worked examples together with expanded problem sets that build from conceptual understanding to numerical solutions and real-world applications to increase reader engagement. Including over 900 images throughout the two volumes, this textbook is highly recommended for students seeking a basic understanding of key physics concepts and how to apply them to real problems.

Applied Mechanics for Engineering Technology Jan 11 2021 Featuring a non-calculus approach, this introduction to applied mechanics book combines a straightforward, readable foundation in underlying physics principles with a consistent method of problem solving. It presents the physics principles in small elementary steps; keeps the mathematics at a reasonable level; provides an abundance of worked examples; and features problems that are as practical as possible without becoming too involved with many extraneous details. This edition features 7% more problems, an enhanced layout and design and a logical, disciplined approach that gives readers a sound background in core statics and dynamics competencies. The volume addresses forces, vectors, and resultants, moments and couples, equilibrium, structures and members, three-dimensional equilibrium, friction, centroids and center of gravity, moment of inertia, kinematics, kinetics, work, energy, and power and impulse and momentum. For those interested in an introduction to applied mechanics.

Fluid Mechanics Aug 30 2022 The eighth edition of White's Fluid Mechanics offers students a clear and comprehensive presentation of the material that demonstrates the progression from physical concepts to engineering applications and helps students quickly see the practical importance of fluid mechanics fundamentals. The wide variety of topics gives instructors many options for their course and is a useful resource to students long after graduation. The book's unique problem-solving approach is presented at the start of the book and carefully integrated in all examples. Students can progress from general ones to those involving design, multiple steps and computer usage.

Automotive Mechanics Apr 25 2022 This market leading 8th edition of Automotive Mechanics text has been completely updated with new and revised content covering all the most relevant developments in the Australian automotive industry. The two volumes cover principles, applications and general servicing requirements that relate to passenger and light commercial vehicles. With full-colour illustrations and photographs, this series addresses the requirements of the Automotive Industry Retail, Service and Repair Training Package (AUR05). A competency grid links the book's content to the Training Package's competencies to ensure teachers and students are meeting all necessary requirements. The two volumes of Automotive Mechanics encourage students' understanding by using practical explanations and design features such as safety tips, handy hints, review questions, technical terms and glossary.

Mechanics Of Materials 8th Edition, Si Units Feb 21 2022

Statics Nov 28 2019 Over the past 50 years, Meriam & Kraige's Engineering Mechanics: Statics has established a highly respected tradition of excellence—a tradition that emphasizes accuracy, rigor, clarity, and applications. Now in a Sixth Edition, this classic text builds on these strengths, adding a comprehensive course management system, Wiley Plus, to the text, including an e-text, homework management, animations of concepts, and additional teaching and learning resources. New sample problems, new homework problems, and updates to content make the book more accessible. The Sixth Edition continues to provide a wide variety of high quality problems that are known for their accuracy, realism, applications, and variety motivating students to learn and develop their problem solving skills. To build necessary visualization and problem-solving skills, the Sixth Edition continues to offer comprehensive coverage of drawing free body diagrams— the most important skill needed to solve mechanics problems.