

1st Year Civil Engineering Mechanics Notes

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1ST YEAR CIVIL ENGINEERING MECHANICS NOTES BOOK TESTIMONIAL

Welcome to our extensive publication review! We are excited to take you on a literary journey and study the depths of 1st Year Civil Engineering Mechanics Notes we have actually chosen to evaluate. Our aim is to astound your interest and supply you with a thorough evaluation of the tale, personalities, and motifs. With our book evaluation, we want to provide you a look right into the world of literary works and influence you to get a copy and review for yourself. Whether you're a bibliophile or an informal viewers, we've obtained you covered. So, without more trouble, allow's begin on this exciting journey and discover guide together!

INTRO TO 1ST YEAR CIVIL ENGINEERING MECHANICS NOTES BOOK

Welcome to our 1st Year Civil Engineering Mechanics Notes book review! Today, we will certainly be taking a more detailed take a look at an exciting novel that we think you'll love. Initially, allow's begin with a short introduction of guide.

The story is set in a town in the Midwest and adheres to the tale of a young woman called Sarah. She is having a hard time to locate her location in the world, and as the novel progresses, she starts a trip of self-discovery that is both psychological and motivating.

The President's Report to the Board of Regents for the Academic Year ... Financial Statement for the Fiscal Year CRC Press

Applied Mechanics and Civil Engineering VI includes the contributions to the 6th International Conference on Applied Mechanics and Civil Engineering (AMCE 2016, Hong kong, China, 30-31 December 2016), and showcases the challenging developments in the areas of applied mechanics, civil engineering and associated engineering practice. The book covers a wide variety of topics: - Applied mechanics and its applications in civil engineering; - Bridge engineering; - Underground engineering; - Structural safety and reliability; - Reinforced concrete (RC) structures; - Rock mechanics and rock engineering; - Geotechnical in-situ testing & monitoring; - New construction materials and applications; - Computational mechanics; - Natural hazards and risk, and - Water and hydraulic engineering. Applied Mechanics and Civil Engineering VI will appeal to professionals and academics involved in the above mentioned areas, and it is expected that the book will stimulate

new ideas, methods and applications in ongoing civil engineering advances.

Volume 2 Dynamics -- The Analysis of Motion S. Chand Publishing

This book equips the students with basic knowledge of certain facets of Civil Engineering and Engineering Mechanics as needed by them in the beginning of their engineering education. The book is primarily tailored to conform to the first-year B.E. curriculum as per Choice Based Credit System (CBCS) scheme of Visvesvaraya Technological University (VTU), Belgaum, Karnataka. It is a basic undergraduate textbook useful for students of all branches of engineering not only under VTU but also for other universities. The text, now in its Second Edition, is thoroughly revised and updated. Divided into five modules, the book spreads over 13 chapters. The first module discusses about Elements of Civil Engineering and the related engineering structures, such as buildings, roads, bridges, and dams as well as basic concepts of Engineering Mechanics. The second and third modules deal with the application of basic concepts of Engineering Mechanics in analyzing the coplanar force systems. In module four, centroids and moment of inertia of plane figures are discussed. The kinematics of bodies is presented in module five. KEY FEATURES • Written in such a style that students as well as instructors should find this text immensely useful • Includes numerous exhaustive exercise problems and the practice problems, along with their solutions • Explains theoretical concepts with worked-out examples NEW TO THIS EDITION • Rearrangement of chapters as per the latest curriculum • Includes 2 new chapters on 'Rectilinear Motion' and 'Curvilinear

Motion' • Incorporates new sections in Chapter 2 and Chapter 9

Composite Structures for Civil and Architectural Engineering John Wiley & Sons

□A Textbook of Engineering Mechanics□ is a must-buy for all students of engineering as it is a lucidly written textbook on the subject with crisp conceptual explanations aided with simple to understand examples. Important concepts such as Moments and their applications, Inertia, Motion (Laws, Harmony and Connected Bodies), Kinetics of Motion of Rotation as well as Work, Power and Energy are explained with ease for the learner to really grasp the subject in its entirety. A book which has seen, foreseen and incorporated changes in the subject for 50 years, it continues to be one of the most sought after texts by the students.

Electrical, Civil, Mechanical, and Mining Engineering Routledge

Separation of the elements of classical mechanics into kinematics and dynamics is an uncommon tutorial approach, but the author uses it to advantage in this two-volume set. Students gain a mastery of kinematics first – a solid foundation for the later study of the free-body formulation of the dynamics problem. A key objective of these volumes, which present a vector treatment of the principles of mechanics, is to help the student gain confidence in transforming problems into appropriate mathematical language that may be manipulated to give useful physical conclusions or specific numerical results. In the first volume, the elements of vector calculus and the matrix algebra are reviewed in appendices. Unusual mathematical topics, such as singularity functions and some elements of tensor analysis, are introduced within the text. A logical and systematic building

of well-known kinematic concepts, theorems, and formulas, illustrated by examples and problems, is presented offering insights into both fundamentals and applications. Problems amplify the material and pave the way for advanced study of topics in mechanical design analysis, advanced kinematics of mechanisms and analytical dynamics, mechanical vibrations and controls, and continuum mechanics of solids and fluids. Volume I of Principles of Engineering Mechanics provides the basis for a stimulating and rewarding one-term course for advanced undergraduate and first-year graduate students specializing in mechanics, engineering science, engineering physics, applied mathematics, materials science, and mechanical, aerospace, and civil engineering. Professionals working in related fields of applied mathematics will find it a practical review and a quick reference for questions involving basic kinematics.

ELEMENTS OF CIVIL ENGINEERING AND ENGINEERING MECHANICS Laxmi Publications

A thorough and understandable guide to the properties and design of structural composites. It derives from the author's many years of experience of research, industrial development and teaching.

Engineering Mechanics PHI Learning Pvt. Ltd.

Insights and Innovations in Structural Engineering, Mechanics and Computation comprises 360 papers that were presented at the Sixth International Conference on Structural Engineering, Mechanics and Computation (SEMC 2016, Cape Town, South Africa, 5-7 September 2016). The papers reflect the broad scope of the SEMC conferences, and cover a wide range of engineering

structures (buildings, bridges, towers, roofs, foundations, offshore structures, tunnels, dams, vessels, vehicles and machinery) and engineering materials (steel, aluminium, concrete, masonry, timber, glass, polymers, composites, laminates, smart materials). Some contributions present the latest insights and new understanding on (i) the mechanics of structures and systems (dynamics, vibration, seismic response, instability, buckling, soil-structure interaction), and (ii) the mechanics of materials and fluids (elasticity, plasticity, fluid-structure interaction, flow through porous media, biomechanics, fracture, fatigue, bond, creep, shrinkage). Other contributions report on (iii) recent advances in computational modelling and testing (numerical simulations, finite-element modeling, experimental testing), and (iv) developments and innovations in structural engineering (planning, analysis, design, construction, assembly, maintenance, repair and retrofitting of structures). Insights and Innovations in Structural Engineering, Mechanics and Computation is particularly of interest to civil, structural, mechanical, marine and aerospace engineers. Researchers, developers, practitioners and academics in these disciplines will find the content useful. Short versions of the papers, intended to be concise but self-contained summaries of the full papers, are collected in the book, while the full versions of the papers are on the accompanying CD.

Guide 1st Year Civil Engineering Mechanics Notes reveals much of life's challenges and discovers styles such as love, loss, and individual growth. But before we enter the nitty-gritty of the plot, let's take a closer look at guide's primary characters.

1ST YEAR CIVIL ENGINEERING MECHANICS NOTES PLOT SUMMARY

After presenting the characters and setup, the tale takes off as the major personality encounters a collection of challenges. Throughout 1st Year Civil Engineering Mechanics Notes, we see the lead character struggle with numerous barriers and attempt to overcome them.

Among the chaos, a romance unfolds as the lead character falls for one more personality. Their relationship is examined as they face numerous obstacles together.

As the story advances, the plot thickens with unexpected turns and unexpected discoveries. We witness the characters withstand heartbreak, dishonesty, and loss. Yet, they persist and continue to fight for what they believe in.

The orgasm of guide 1st Year Civil Engineering Mechanics Notes is intense and mentally charged. The lead character faces their biggest challenge yet and needs to make a life-changing choice. The resolution is pleasing, giving closure for every one of the characters and their storylines.

EVALUATION OF 1ST YEAR CIVIL ENGINEERING MECHANICS NOTES PLOT

The plot of the book is well-crafted, with twists and turns that maintain the reader engaged. The story is hectic and never dull, keeping the reader on the edge of their seat.

The romance includes one more layer to the plot, giving an

enchanting and emotional facet to the story. The difficulties the characters encounter make the love story much more satisfying when they overcome them with each other.

The orgasm of 1st Year Civil Engineering Mechanics Notes is the emphasize of the story, leaving a strong impression on the viewers. The resolution ties up all loosened ends and leaves the reader sensation satisfied with the result.

- Overall, the story of 1st Year Civil Engineering Mechanics Notes is interesting and well-written.
- The weaves maintain the viewers interested throughout.
- The love story includes an emotional aspect to 1st Year Civil Engineering Mechanics Notes story.
- The climax of 1st Year Civil Engineering Mechanics Notes is intense and supplies closure for every one of the personalities.

Stay tuned for our next section where we will examine the key characters in 1st Year Civil Engineering Mechanics Notes publication.

CHARACTER EVALUATION IN 1ST YEAR CIVIL ENGINEERING MECHANICS NOTES

As we proceed our publication testimonial, allow's take a better take a look at the personalities that compose the heart of this tale. Each character is distinct and adds to the general plot, producing an interesting read.

LEAD CHARACTER

- The protagonist of 1st Year Civil Engineering Mechanics Notes is a complicated personality, facing a hard past and facing obstacles in today. Their journey throughout the story is just one of self-discovery and development.
- As the book proceeds, we see the lead character evolve and confront their inner satanic forces, resulting in an enjoyable personality arc.

VILLAIN

- The villain of 1st Year Civil Engineering Mechanics Notes is equally engaging, with their own inspirations and backstory that drive their actions.
- While their actions may be doubtful, the villain is not a one-dimensional bad guy and has their very own battles they are taking care of.

SUPPORTING PERSONALITIES IN 1ST YEAR CIVIL ENGINEERING MECHANICS NOTES

Engineering Mechanics Firewall Media

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Applied Engineering Mechanics Prentice Hall

This is the more practical approach to engineering mechanics that deals mainly with two-dimensional problems, since these comprise the great majority of engineering situations and are the necessary foundation for good design practice. The format developed for this textbook, moreover, has been devised to benefit from contemporary ideas of problem solving as an educational tool. In both areas dealing with statics and dynamics, theory is held apart from applications, so that practical engineering problems, which make use of basic theories in various

combinations, can be used to reinforce theory and demonstrate the workings of static and dynamic engineering situations. In essence a traditional approach, this book makes use of two-dimensional engineering drawings rather than pictorial representations. Word problems are included in the latter chapters to encourage the student's ability to use verbal and graphic skills interchangeably. SI units are employed throughout the text. This concise and economical presentation of engineering mechanics has been classroom tested and should prove to be a lively and challenging basic textbook for two semester courses for students in mechanical and civil engineering. Applied Engineering Mechanics: Statics and Dynamics is equally suitable for students in the second or third year of four-year engineering technology programs.

Engineering Mechanics 3 Springer Science & Business Media

Your ticket to excelling in mechanics of materials With roots in physics and mathematics, engineering mechanics is the basis of all the mechanical sciences: civil engineering, materials science and engineering, mechanical engineering, and aeronautical and aerospace engineering. Tracking a typical undergraduate course, *Mechanics of Materials For Dummies* gives you a thorough introduction to this foundational subject. You'll get clear, plain-English explanations of all the topics covered, including principles of equilibrium, geometric compatibility, and material behavior; stress and its relation to force and movement; strain and its relation to displacement; elasticity and plasticity; fatigue and fracture; failure modes; application to simple engineering structures, and more. Tracks to a course that is a prerequisite for

most engineering majors Covers key mechanics concepts, summaries of useful equations, and helpful tips From geometric principles to solving complex equations, *Mechanics of Materials For Dummies* is an invaluable resource for engineering students!

[A Textbook of Engineering Mechanics \(SI Units\)](#) UM Libraries

Practicing engineers designing civil engineering structures, and advanced students of civil engineering, require foundational knowledge and advanced analytical and empirical tools. *Mechanics in Civil Engineering Structures* presents the material needed by practicing engineers engaged in the design of civil engineering structures, and students of civil engineering. The book covers the fundamental principles of mechanics needed to understand the responses of structures to different types of load and provides the analytical and empirical tools for design. The title presents the mechanics of relevant structural elements—including columns, beams, frames, plates and shells—and the use of mechanical models for assessing design code application. Eleven chapters cover topics including stresses and strains; elastic beams and columns; inelastic and composite beams and columns; temperature and other kinematic loads; energy principles; stability and second-order effects for beams and columns; basics of vibration; indeterminate elastic-plastic structures; plates and shells. This book is an invaluable guide for civil engineers needing foundational background and advanced analytical and empirical tools for structural design. Includes 110 fully worked-out examples of important problems and 130 practice problems with an interaction solution manual (<http://hsz121.hsz.bme.hu/solutionmanual>). Presents the

foundational material and advanced theory and method needed by civil engineers for structural design Provides the methodological and analytical tools needed to design civil engineering structures Details the mechanics of salient structural elements including columns, beams, frames, plates and shells Details mechanical models for assessing the applicability of design codes

With CD-Rom S. Chand Publishing

Separation of the elements of classical mechanics into kinematics and dynamics is an uncommon tutorial approach, but the author uses it to advantage in this two-volume set. Students gain a mastery of kinematics first – a solid foundation for the later study of the free-body formulation of the dynamics problem. A key objective of these volumes, which present a vector treatment of the principles of mechanics, is to help the student gain confidence in transforming problems into appropriate mathematical language that may be manipulated to give useful physical conclusions or specific numerical results. In the first volume, the elements of vector calculus and the matrix algebra are reviewed in appendices. Unusual mathematical topics, such as singularity functions and some elements of tensor analysis, are introduced within the text. A logical and systematic building of well-known kinematic concepts, theorems, and formulas, illustrated by examples and problems, is presented offering insights into both fundamentals and applications. Problems amplify the material and pave the way for advanced study of topics in mechanical design analysis, advanced kinematics of mechanisms and analytical dynamics, mechanical vibrations and

controls, and continuum mechanics of solids and fluids. Volume I of Principles of Engineering Mechanics provides the basis for a stimulating and rewarding one-term course for advanced undergraduate and first-year graduate students specializing in mechanics, engineering science, engineering physics, applied mathematics, materials science, and mechanical, aerospace, and civil engineering. Professionals working in related fields of applied mathematics will find it a practical review and a quick reference for questions involving basic kinematics.

Catalogue Springer Science & Business Media

This best-selling book offers a concise and thorough presentation of engineering mechanics theory and application. The material is reinforced with numerous examples to illustrate principles and imaginative, well-illustrated problems of varying degrees of difficulty. The book is committed to developing its users' problem-solving skills and includes pedagogical features that have made Hibbeler synonymous with excellence in the field. Chapter topics cover general principles, force vectors, equilibrium of a particle, force system resultants, equilibrium of a rigid body, structural analysis, internal forces, friction, center of gravity and centroid, moments of inertia, virtual work, kinematics of a particle, kinetics of a particle: force and acceleration, kinetics of a particle: work and energy, kinetics of a particle: impulse and momentum, planar kinematics of a rigid body, planar kinetics of a rigid body: force and acceleration, planar kinetics of a rigid body: work and energy, planar kinetics of a rigid body: impulse and momentum, three-dimensional kinematics of a rigid body, three-dimensional kinetics of a rigid body, and vibrations. For

individuals involved in the study of mechanical/civil/aeronautical engineering.

- The sustaining characters in 1st Year Civil Engineering Mechanics Notes book likewise play a vital function in the story, with each one including deepness and complexity to the narrative.
- From the protagonist's dedicated buddy to the mysterious complete stranger the antagonist befriends, the sustaining actors assists to bring the world of the tale to life.

Generally, the personality development in this book is just one of its strengths. Each character is well-crafted and includes in the general story, creating a genuinely delightful read.

FINAL DECISION

After reviewing and evaluating 1st Year Civil Engineering Mechanics Notes from cover to cover, we have actually concerned our final judgment.

THE PROS

One of the primary highlights of this book 1st Year Civil Engineering Mechanics Notes is its unique narration design which keeps the viewers engaged throughout the book. In addition, the strong characters make the book extra relatable and delightful to review. Furthermore, the story twists maintain the reader on their toes, making the book uncertain and amazing.

THE DISADVANTAGES

Nevertheless, there were some facets that we found lacking. The pacing of 1st Year Civil Engineering Mechanics Notes was sluggish at times, which made it feel dragged out. In addition, there were some loosened ends that were not locked up by the end of the book, which left us with unanswered questions.

CRC Press

Engineering mechanics is the branch of the physical science which describes the response of bodies or systems of bodies to external behaviour of a body, in either a beginning state of rest or of motion, subjected to the action of forces. It bridges the gap between physical theory and its application to technology. It is used in many fields of engineering, especially mechanical engineering and civil engineering. Much of engineering mechanics is based on Sir Issac Newton's laws of motion. Within the practical sciences, engineering mechanics is useful in formulating new ideas and theories, discovering and interpreting phenomena and developing experimental and computational tools. Engineering mechanics is the application of applied mechanics to solve problems involving common engineering elements. The goal of this engineering mechanics course is to expose students to problems in mechanics as applied to plausibly real-world scenarios. Problems of particular types are explored in detail in the hopes that students will gain an inductive understanding of the underlying principles at work; students should then be able to recognize problems of this sort in real-world situations and respond accordingly. Our hope is that this book, through its careful explanations of concepts, practical

examples and figures bridges the gap between knowledge and proper application of that knowledge.

Statics CRC Press

Dynamics is the third volume of a three-volume textbook on Engineering Mechanics. It was written with the intention of presenting to engineering students the basic concepts and principles of mechanics in as simple a form as the subject allows. A second objective of this book is to guide the students in their efforts to solve problems in mechanics in a systematic manner. The simple approach to the theory of mechanics allows for the different educational backgrounds of the students. Another aim of this book is to provide engineering students as well as practising engineers with a basis to help them bridge the gaps between undergraduate studies, advanced courses on mechanics and practical engineering problems. The book contains numerous examples and their solutions. Emphasis is placed upon student participation in solving the problems. The contents of the book correspond to the topics normally covered in courses on basic engineering mechanics at universities and colleges. Volume 1 deals with Statics; Volume 2 contains Mechanics of Materials.

Engineering Mechanics Springer

ELEMENTS OF CIVIL ENGINEERING AND ENGINEERING MECHANICS With CD-Rom PHI Learning Pvt. Ltd.

Engineering mechanics : proceedings of the 11. conference, Fort Lauderdale, FL, May 19-22, 1996. 1 (1996) Springer Science & Business Media

This book, in its third edition, continues to focus on the basics of

civil engineering and engineering mechanics to provide students with a balanced and cohesive study of the two areas (as needed by them in the beginning of their engineering education). A basic undergraduate textbook for the first-year students of all branches of engineering, this book is specifically designed to conform to the syllabus of Visvesvaraya Technological University (VTU). Imparting the basic knowledge in various facets of civil engineering and the related engineering structures and infrastructure such as buildings, roads, highways, dams and bridges, the third edition covers the engineering mechanics portion in eleven chapters. Each chapter introduces the concepts to the reader, stepwise. Providing a wealth of practice examples, the book emphasizes the importance of building strong analytical skills. Practice problems, at the end of each chapter, give students an opportunity to absorb concepts and hone their problem-solving skills. The book comes with a companion CD containing the software developed using MS-Excel, to work out the problems on Forces, Centroid, Friction and Moment of Inertia. The use of this software will enable the students to understand the concepts in a relatively better way. NEW TO THIS EDITION • Introduces a chapter on Kinematics as per the revised Civil Engineering syllabus of VTU • Updates with the latest examination Question Papers, including the one held in the month of December 2013

Engineering Mechanics of Materials ELEMENTS OF CIVIL ENGINEERING AND ENGINEERING MECHANICS With CD-Rom

The present edition of this book has been thoroughly revised and a lot of useful material has been added to improve its quality and

use. It also contains a lot of pictures and colored diagrams for better and quick understanding as well as grasping the subject matter.

ELEMENTS OF CIVIL ENGINEERING - 4TH EDITION Technical Publications

ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. -- In his revision of Engineering Mechanics, R.C. Hibbeler empowers students to succeed in the whole learning experience. Hibbeler achieves this by calling on his everyday classroom experience and his knowledge of how students learn inside and outside of lecture. This text is ideal for civil and mechanical engineering professionals. MasteringEngineering, the most technologically advanced online tutorial and homework system available, can be packaged with this edition.

LAST IDEAS

Overall, we believe that 1st Year Civil Engineering Mechanics Notes is worth a read, regardless of some small flaws. The one-of-a-kind narration style, relatable personalities, and story twists make it a rewarding enhancement to your bookshelf. So, if you're looking for a fascinating read, 1st Year Civil Engineering Mechanics Notes is definitely worth considering.

REVIEW OF 1ST YEAR CIVIL ENGINEERING MECHANICS NOTES

- Her style of writing sounds childish and unformed, like a child whining when it feels bad. I thought this book would be similar in thought to 1984, or The Stranger, or maybe some of Herman Hesse's work, but it is not. This book is shameful mockery of literature.
- The Giver is novel about a community and a society optimized through governance by a strong central committee of elders, which are only briefly encountered in the book. The book focuses on one boy's transition from youth to early adulthood, Jonas. Through his eyes, we come to know his family and community. Everything is very structured and orderly. People's careers and mates are assigned to them based on observance and psychological profiling for optimal fit. Even reproduction is assigned to specific people who engage in sex for reproductive purposes. Children are then raised by natures. People chosen to rear children until they are two years of age, at which point, the children are assigned to families for further upbringing. Once children reach the age of 12, they are assigned their careers and

begin training. The old are well cared for in retirement communities where care givers see to their needs. The high degree of structure is even found in people's daily lives where we find everyone eats, sleeps, plays and works based on the schedules dictated by the governing body. Families even have designated sharing time. Where each family member is supposed to share their feelings based on their experiences during the day. At first, there is something seductive about this society. People are well treated; there is no war, poverty or crime. However, as we see the community through the Jonas' eyes, one cannot help but notice unsettling aspects to the community. Jonas' mother's comments that no woman should want to be a breeder as these women are assigned to physical labor after three years of producing children. The elderly are "released" when they reach a certain point in their lives as are small children whose behavior is too unruly. The people seem to need the orderliness and any disruption in their serene existence results in almost child-like responses expecting someone to take care of them. Jonas is selected to be the new "keeper of memories" a prestigious position awarded only when the old keeper is nearing retirement. His first instructions are to discontinue sharing and he is given permission to lie. This is the beginning of his introduction into the world behind the community's pristine facade. He learns of love and his parents' inability to express it as the concept lacks the precision the community expects in language. Love is too

messy to nebulous to truly be meaningful in the community. His journey of discovery ultimately leads to death or salvation depending upon the reader's hopes. In my opinion it leads to death as Jonas' last moments in the book are too conveniently similar to the collected memories given to him. Also, ending in death leads to a bitter poignancy. The realization that his society has made him into someone that cannot hope to survive outside its rigid confines. His new memories are the only thing left from lives lived before sameness. Lowry's book is a brief, well-written book on the dangers inherent in wanting too much safety, ease and convenience. The result is a society with no pain, grief, longing or suffering. However, there is no love, passion, joy or deep appreciation. Life is functional, but not meaningful. The world has become gray, not because the people are color blind, but because they are numb from a society that protects them from being human. This book is an excellent cautionary tale for our own society. We have become a society afraid of any form of discomfort, and seek to isolate ourselves from it. In the pursuit of isolation we have separated ourselves from our extended families. We text instead of greet. We email instead of talk. We have successfully insulated ourselves from each other, making for a safe, rarified environment bereft of the messiness that comes with real living. Lowry shows us the final result of the decision to make efficiency and safety paramount and the impossibility of breaking out of these chains once they are forged.