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Key Feature: Free Class 12th Physics 2012 Solved Paper ebook Ideal to understand the exam pattern Will give a clear idea of how to study and what to study for the exam **29 Online JEE-Main Year Wise Solved Papers (2019-2012) with Solution and Detailed Analysis** *CP Publication* Salient features of the book are: 1. 2610 MCQs 2. Authentic Papers 3. Errorless Solutions 4. Trend Analysis of 2019, 2018 & 2017 Online Papers 5. Relevant & high-quality Test Papers prepared by highly experienced faculty members 6. Detailed solution of each paper for self-evaluation so that you can focus on your weak areas to improve 7. Help student to plan question paper attempt strategy for maximum output 8. Increases speed & accuracy and builds confidence to face JEE Main competitive examination 9. Develops sound examination temperament in students to face the competitive examination with a supreme state of confidence and ensures success 10. The student is advised to take these papers in the prescribed time limit by creating an exam like environment at home 11. We firmly believe that the book in this form will definitely help a genuine, hardworking student 12. We have put our best efforts to make **Arun Deep's 10 Years Solved Papers For ICSE Class 10 Exam 2023 - Comprehensive Handbook Of 15 Subjects - Year-Wise Board Solved Question Papers, Revised Syllabus** *Ravinder Singh and sons* Easy, Quick, and Concise Revision with Arun Deep's 10 Years Solved Papers for ICSE Class 10 Board Examinations 2023. Our Handbook consists of Solved Papers for total 15 Subjects including English I, English II, Physics, Chemistry, Biology, History & Civics, Geography, Mathematics, Hindi, Computer Application, Economics, Economic Applications, Commercial Studies, Commercial Applications, and Physical Education. **35 JEE Main ONLINE & OFFLINE Physics, Chemistry & Mathematics Topic-wise Solved Papers - 4th Edition** *Disha Publications* • The book 35 JEE Main Physics, Chemistry & Mathematics Online & Offline Topic-wise Solved Papers provides the last 16 years ONLINE & OFFLINE 2002-17 papers. • The book contains a total of 35 papers - 17 papers of AIEEE/ JEE Main from the year 2002 - 2017 held OFFLINE including the AIEEE 2011 RESCHEDULED paper and 18 JEE Main papers held ONLINE from 2012-17. • The books are distributed into around 28, 31 & 27 topics in Physics, Chemistry & Mathematics respectively exactly following the chapter sequence of the NCERT books of class 11 and 12. • The questions in each topic are immediately followed by their detailed solutions. The book constitutes around 4100 most important MCQs. **New Digital Technology in Education Conceptualizing Professional Learning for Educators** *Springer* This book addresses the issues confronting educators in the integration of digital technologies into their teaching and their students' learning. Such issues include a skepticism of the added value of technology to educational learning outcomes, the perception of the requirement to keep up with the fast pace of technological innovation, a lack of knowledge of affordable educational digital tools and a lack of understanding of pedagogical strategies to embrace digital technologies in their teaching. This book presents theoretical perspectives of learning and teaching today's digital students with technology and propose a pragmatic and sustainable framework for teachers' professional learning to embed digital technologies into their repertoire of teaching strategies in a systematic, coherent and comfortable manner so that technology integration becomes an almost effortless pedagogy in their day-to-day teaching. The materials in this book are comprised of original and innovative contributions, including empirical data, to existing scholarship in this field. Examples of pedagogical possibilities that are both new and currently practised across a range of teaching contexts are featured. **273 technical questions and answers for job interview Offshore Drilling Rigs** *Petrogav International* The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 273 questions and answers for job interview and as a BONUS 230 links to video movies. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry. **150 technical questions and answers for job interview Offshore Drilling Rigs** *Petrogav International* The job interview is probably the most important step you will take in your job search journey. 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questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 150 questions and answers for job interview and as a BONUS 230 links to video movies. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry. **200 technical questions and answers for job interview Offshore Oil & Gas Rigs** *Petrogav International* The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. 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We have chosen solved questions from the year 2004 in order to apprise students of at least two years' of 'subjective type' (numerical value) questions asked in the IIT entrance exam. **Technical questions and answers for job interview Offshore Drilling Platforms** *Petrogav International* This book offers you a brief, but very involved look into the operations in the drilling of an oil & gas wells that will help you to be prepared for job interview at oil & gas companies. From start to finish, you'll see a general prognosis of the drilling process. If you are new to the oil & gas industry, you'll enjoy having a leg up with the knowledge of these processes. If you are a seasoned oil & gas person, you'll enjoy reading what you may or may not know in these pages. This course provides a non-technical overview of the phases, operations and terminology used on offshore drilling platforms. It is intended also for non-drilling personnel who work in the offshore drilling, exploration and production industry. This includes marine and logistics personnel, accounting, administrative and support staff, environmental professionals, etc. No prior experience or knowledge of drilling operations is required. This course will provide participants a better understanding of the issues faced in all aspects of drilling operations, with a particular focus on the unique aspects of offshore operations. **Questions and answers for job interview Offshore Oil & Gas Rigs** *Petrogav International* The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 288 questions and answers for job interview and as a BONUS web addresses to 289 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry. **273 technical questions and answers for job interview Offshore Oil & Gas Platforms** *Petrogav International* The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 273 questions and answers for job interview and as a BONUS web addresses to 218 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry. **Basic Numeracy & Data Interpretation Compendium for IAS Prelims General Studies Paper 2 & State PSC Exams 2nd Edition** *Disha Publications* **NTA UGC NET Paper 1 Topic-wise 50 Solved Papers (2019 to 2004)** *Disha Publications* **NTA UGC NET Paper 1 Topic-wise 52 Solved Papers (2020 to 2004) 2nd Edition** *Disha Publications* **Crack IAS Prelims General Studies Paper 2 with 5 Mock Tests 7th Edition** *Disha Publications* The thoroughly revised & Upgraded 7th edition of the book Crack IAS Prelims General Studies (CSAT) - Paper 2 is an exhaustive book capturing all the important topics being asked in the last few years of the IAS Prelim exam. • The book has been divided into 9 Units & 40 Chapters. • Each chapter provides theory along with an Exercise in every chapter with fully solved past CSAT questions from 2011 onwards. • The book has separate units for Comprehension and English Language Comprehension. • English Language RC passage covers all literary styles. • Exhaustive exercise of situation-based questions to test decision making and administrative course of action. • Vast variety of situation-based questions to test Interpersonal Skills including Communication Skills. • Questions of Critical Reasoning based on Passages and Puzzles that are mostly asked in the exam, are covered with almost all varieties of questions in very large number. • Miscellaneous graphs as asked in 2018 Symmetric and Skew Distribution of Data as asked in 2015 are provided in the Data Interpretation unit of this book. • The Exercise covers the fully solved past CSAT questions from 2011 onwards. In all the book contains 3000+ MCQs with detailed solutions. The book provides 5 Mock Tests with Solutions on the exact pattern as followed in the last CSAT paper. **IIT JEE Papers Collection of Physics Papers**

Since 1978 PsiPhiETC Comprehensive collection of IIT JEE Physics papers since 1978. Useful for practice and revision. The book also describes examination format for each year. The paper format and question format are also described. Each question starts on a new page to create examination like environment. The marking scheme is also given (wherever possible). The answers are given at the end of each paper. Hyperlinks are given for quick navigation. The book contains authentic and "close to the original" question papers. JEE (Advanced) Paper, Screening Paper and Main Papers of all the years are included. Details of included papers are: IIT JEE 2018 (Advanced) Paper 1 and Paper 2 IIT JEE 2017 (Advanced) Paper 1 and Paper 2 IIT JEE 2016 (Advanced) Paper 1 and Paper 2 IIT JEE 2015 (Advanced) Paper 1 and Paper 2 IIT JEE 2014 (Advanced) Paper 1 and Paper 2 IIT JEE 2013 (Advanced) Paper 1 and Paper 2 IIT JEE 2012 Paper 1 and Paper 2, IIT JEE 2011 Paper 1 and Paper 2, IIT JEE 2010 Paper 1 and Paper 2, IIT JEE 2009 Paper 1 and Paper 2, IIT JEE 2008 Paper 1 and Paper 2, IIT JEE 2007 Paper 1 and Paper 2, IIT JEE 2006 Paper, IIT JEE 2005 Screening Paper and Main Paper IIT JEE 2004 Screening Paper and Main Paper, IIT JEE 2003 Screening Paper and Main Paper, IIT JEE 2002 Screening Paper and Main Paper, IIT JEE 2001 Screening Paper and Main Paper, IIT JEE 2000 Screening Paper and Main Paper, IIT JEE 1999 Paper, IIT JEE 1998 Paper, IIT JEE 1997 Paper, IIT JEE 1997 Paper (Cancelled), IIT JEE 1996 Paper, IIT JEE 1995 Screening Paper and Main Paper, IIT JEE 1994 Paper, IIT JEE 1993 Paper, IIT JEE 1992 Paper, IIT JEE 1991 Paper, IIT JEE 1990 Paper, IIT JEE 1989 Paper, IIT JEE 1988 Paper, IIT JEE 1987 Paper, IIT JEE 1986 Paper, IIT JEE 1985 Paper, IIT JEE 1984 Paper, IIT JEE 1983 Paper, IIT JEE 1982 Paper, IIT JEE 1981 Paper, IIT JEE 1980 Paper, IIT JEE 1979 Paper, IIT JEE 1978 Paper **100 technical questions and answers for job interview Offshore Drilling Rigs** *Petrogav International* The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 100 questions and answers for job interview and as a BONUS 230 links to video movies. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry. **College Physics** *Cengage Learning* While physics can seem challenging, its true quality is the sheer simplicity of fundamental physical theories--theories and concepts that can enrich your view of the world around you. COLLEGE PHYSICS, Tenth Edition, provides a clear strategy for connecting those theories to a consistent problem-solving approach, carefully reinforcing this methodology throughout the text and connecting it to real-world examples. For students planning to take the MCAT exam, the text includes exclusive test prep and review tools to help you prepare. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. **SSC CGL (Tier-1) Previous 5 Year Papers** *Kalinjar Publications* SSC CGL (Tier -1) Exam Paper 2011 SSC CGL (Tier -1) Exam Paper 2012 SSC CGL (Tier -1) Exam Paper 2013 SSC CGL (Tier -1) Exam Paper 2014 SSC CGL (Tier -1) Exam Paper 2015 Tags: SSC, CGL, CHSL, Civil Services, SSC PORTAL, Staff Selection Commission. **Questions and answers for job interview Offshore Oil & Gas Platforms** *Petrogav International* The job interview is probably the most important step you will take in your job search journey. Because it's always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry. Since these questions are so common, hiring managers will expect you to be able to answer them smoothly and without hesitation. This eBook contains 291 questions and answers for job interview and as a BONUS web addresses to 288 video movies for a better understanding of the technological process. This course covers aspects like HSE, Process, Mechanical, Electrical and Instrumentation & Control that will enable you to apply for any position in the Oil and Gas Industry. **Emerging Technologies for STEAM Education Full STEAM Ahead** *Springer* This theory-to-practice guide offers leading-edge ideas for wide-scale curriculum reform in sciences, technology, engineering, the arts, and mathematics--the STEAM subjects. Chapters emphasize the critical importance of current and emerging digital technologies in bringing STEM education up to speed and implementing changes to curricula at the classroom level. Of particular interest are the diverse ways of integrating the liberal arts into STEM course content in mutually reshaping humanities education and scientific education. This framework and its many instructive examples are geared to ensure that both educators and students can become innovative thinkers and effective problem-solvers in a knowledge-based society. Included in the coverage: Reconceptualizing a college science learning experience in the new digital era. Using mobile devices to support formal, informal, and semi-formal learning. Change of attitudes, self-concept, and team dynamics in engineering education. The language arts as foundational for science, technology, engineering, art, and mathematics. Can K-12 math teachers train students to make valid logical reasoning? Moving forward with STEAM education research. Emerging Technologies for STEAM Education equips educators, education researchers, administrators, and education policymakers with curricular and pedagogical strategies for making STEAM education the bedrock of accessible, relevant learning in keeping with today's digital advances. **Paper Minds Literature and the Ecology of Consciousness** How do poems and novels create a sense of mind? What does literary criticism say in conversation with other disciplines that addresses problems of consciousness? In Paper Minds, Jonathan Kramnick takes up these vital questions, exploring the relations between mind and environment, the literary forms that uncover such associations, and the various fields of study that work to illuminate them. Opening with a discussion of how literary scholarship's particular methods can both complement and remain in tension with corresponding methods particular to the sciences, Paper Minds then turns to a series of sharply defined case studies. Ranging from eighteenth-century poetry and haptic theories of vision, to fiction and contemporary problems of consciousness, to landscapes in which all matter is sentient, to cognitive science and the rise of the novel, Kramnick's essays are united by a central thematic authority. This unified approach of these essays shows us what distinctive knowledge that literary texts and literary criticism can contribute to discussions of perceptual consciousness, created and natural environments, and skilled engagements with the world. **Universal Quantum Computing: Supervening Decoherence - Surmounting Uncertainty** *World Scientific* This breakthrough volume touts having dissolved the remaining barriers to implementing Bulk Universal Quantum Computing (UQC), and as such most likely describes the most advanced QC development platform. Numerous books, hundreds of patents, thousands of papers and a Googolplex of considerations fill the pantheon of QC R&D. Of late QC mathematicians claim QCs already exist; but by what chimeric definition. Does flipping a few qubits in a logic gate without an algorithm qualify as quantum computing? In physics, theory bears little weight without rigorous experimental confirmation, less if new, radical or a paradigm shift. This volume develops quantum computing based on '3rd regime' physics of Unified Field Mechanics (UFM). What distinguishes this work from a myriad of other avenues to UQC under study? Virtually all R&D paths struggle with technology and decoherence. If highly favored room-sized

cryogenically cooled QCs ever become successful, they would be reminiscent of the city block-sized Eniac computer of 1946. The QC prototype proposed herein is room temperature and tabletop. It is dramatically different in that it is not confined to the limitations of quantum mechanics; since it is based on principles of UFM the Uncertainty Principle and Decoherence no longer apply. Thus this QC model could be implemented on any other quantum platform!

Fields of Logic and Computation II Essays Dedicated to Yuri Gurevich on the Occasion of His 75th Birthday Springer This Festschrift is published in honor of Yuri Gurevich's 75th birthday. Yuri Gurevich has made fundamental contributions on the broad spectrum of logic and computer science, including decision procedures, the monadic theory of order, abstract state machines, formal methods, foundations of computer science, security, and much more. Many of these areas are reflected in the 20 articles in this Festschrift and in the presentations at the "Yurifest" symposium, which was held in Berlin, Germany, on September 11 and 12, 2015. The Yurifest symposium was co-located with the 24th EACSL Annual Conference on Computer Science Logic (CSL 2015).

TARGET NTA JEE Main 2021 Solved Papers & 10 Mock Tests on 75 Question Pattern 22nd Edition Disha Publications **Digital philology: new thoughts on old questions** *libreriauniversitaria.it Edizioni* **JEE Advanced 15 Year-wise Solved Papers 1 & 2 (2006 - 2020) 2nd Edition** Disha Publications **JEE Advanced 16 Year-wise Solved Papers 1 & 2 (2006 - 2021) 3rd Edition** Disha Publications JEE Advanced 16 Year-wise Solved Papers 1 & 2 (2021 - 2006) is the Most Important Resource for success in JEE Advanced. The book consists of the detailed solutions of the past 16 year papers of JEE Advanced - IIT-JEE (2006 to 2012) and JEE Advanced (2013 - 2021) Papers 1 & 2 to ANALYSE (the pattern, level of questions etc.) the exam; The book also provides the Trend Analysis of last 9 years in all the 3 subjects.

Universe Within The Surprising Way the Human Brain Models the Universe John Hunt Publishing Universe Within makes the case that the human brain is a physical model of the universe because of structural and dynamical similarities shared between the two systems based on the pictures emerging out of neuroscience and physics, respectively. The relationship between the human brain and the universe revealed by Melvin A. Felton, Jr. might be the missing principle that leads to the theory-of-everything.

16 Years' Solved Papers JEE Main 2020 Arihant Publications India limited Engineers are known to set the foundations and ultimately contributing in building the nation. This is the reason why it is considered as one of the top professions in the world. To be a certified engineer from reputed institutions like IITs, NITs, IIITs, etc., candidates/aspirants has to go through Joint Entrance Exam (JEE) being conducted by CBSE every year and requires an intense groundwork on subjects of Physics, Chemistry and, Mathematics from Class XI and XII syllabi. The latest edition of 16 Years' JEE MAIN Solved Papers is designed with a purpose of facilitating an effective way of smart preparation in students to clear the upcoming JEE MAIN. As the name of the book already unfolds its key feature, with this new edition, the invaluable benefits of solving such good number of precisely solved papers continues to help students in their path to success. The detailed solutions to the 16 Years' Solved Papers of Previous Years' Questions from 2003 to 2018 can be easily comprehended by the students and 3 Sets of Practice are also given to overcome the doubts and fears out of exam. This is a student-friendly book with its contents sounding like interactive sessions to help you progress more in the race of winning a seat in JEE MAIN 2019. Table of Content|JEE Main 2018, JEE Main 2017, JEE Main 2016, JEE Main 2015, JEE Main 2014, JEE Main 2013, AIEEE-2012, AIEEE-2011, AIEEE-2010, AIEEE-2009, AIEEE-2008, AIEEE-2007, AIEEE-2006, AIEEE-2005, AIEEE-2004, AIEEE-2003, Practice Set-1, Practice Set-2, Practice Set-3

The Basic Numeracy & Data Interpretation Compendium for IAS Prelims General Studies Paper 2 & State PSC Exams Disha Publications The Basic Numeracy & Data Interpretation Compendium for IAS Prelims General Studies Paper 2 & State PSC Exams is the 1st of the 3 books for Paper 2. It is an exhaustive work capturing all the important topics being asked in the last few years of the IAS Prelim exam. The book is divided into chapters which contains detailed theory explaining all concepts with proper examples along with Practice Exercise. The Exercise covers the fully solved past CSAT questions from 2011 onwards. In all the book contains 1500+ MCQs with detailed solutions.

The Quantum Mechanics Conundrum Interpretation and Foundations Springer This comprehensive volume gives a balanced and systematic treatment of both the interpretation and the mathematical-conceptual foundations of quantum mechanics. It is written in a pedagogical style and addresses many thorny problems of fundamental physics. The first aspect concerns Interpretation. The author raises the central problems: formalism, measurement, non-locality, and causality. The main positions on these subjects are presented and critically analysed. The aim is to show that the main schools can converge on a core interpretation. The second aspect concerns Foundations. Here it is shown that the whole theory can be grounded on information theory. The distinction between information and signal leads us to integrating quantum mechanics and relativity. Category theory is presented and its significance for quantum information shown; the logic and epistemological bases of the theory are assessed. Of relevance to all physicists and philosophers with an interest in quantum theory and its foundations, this book is destined to become a classic work.

Information—Consciousness—Reality How a New Understanding of the Universe Can Help Answer Age-Old Questions of Existence Springer This open access book chronicles the rise of a new scientific paradigm offering novel insights into the age-old enigmas of existence. Over 300 years ago, the human mind discovered the machine code of reality: mathematics. By utilizing abstract thought systems, humans began to decode the workings of the cosmos. From this understanding, the current scientific paradigm emerged, ultimately discovering the gift of technology. Today, however, our island of knowledge is surrounded by ever longer shores of ignorance. Science appears to have hit a dead end when confronted with the nature of reality and consciousness. In this fascinating and accessible volume, James Glattfelder explores a radical paradigm shift uncovering the ontology of reality. It is found to be information-theoretic and participatory, yielding a computational and programmable universe.

60 Years of Yang-Mills Gauge Field Theories C N Yang's Contributions to Physics World Scientific During the last six decades, Yang-Mills theory has increasingly become the cornerstone of theoretical physics. It is seemingly the only fully consistent relativistic quantum many-body theory in four space-time dimensions. As such it is the underlying theoretical framework for the Standard Model of Particle Physics, which has been shown to be the correct theory at the energies we now can measure. It has been investigated also from many other perspectives, and many new and unexpected features have been uncovered from this theory. In recent decades, apart from high energy physics, the theory has been actively applied in other branches of physics, such as statistical physics, condensed matter physics, nonlinear systems, etc. This makes the theory an indispensable topic for all who are involved in physics. The conference celebrated the exceptional achievements using Yang-Mills theory over the years but also many other truly remarkable contributions to different branches of physics from Prof C N Yang. This volume collects the invaluable talks by Prof C N Yang and the invited speakers reviewing these remarkable contributions and their importance for the future of physics. Contents: The Future of Physics — Revisited (C N Yang) Quantum Chromodynamics — The Perfect Yang-Mills Gauge Field Theory (David

Gross)Maximally Supersymmetric Yang-Mills Theory: The Story of $N = 4$ Yang-Mills Theory (Lars Brink)The Lattice and Quantized Yang-Mills Theory (Michael Creutz)Yang-Mills Theories at High Energy Accelerators (George Sterman)Yang-Mills Theory at 60: Milestones, Landmarks and Interesting Questions (Ling-Lie Chau)Discovery of the First Yang-Mills Gauge Particle — The Gluon (Sau Lan Wu)Yang-Mills Gauge Theory and Higgs Particle (Tai Tsun Wu & Sau Lan Wu)Scenario for the Renormalization in the 4D Yang-Mills Theory (L D Faddeev)Statistical Physics in the Oeuvre of Chen Ning Yang (Michael E Fisher)Quantum Vorticity in Nature (Kerson Huang)Yang-Mills Theory and Fermionic Path Integrals (Kazuo Fujikawa)Yang-Mills Gauge Theory and the Higgs Boson Family (Ngee-Pong Chang)On the Physics of the Minimal Length: The Questions of Gauge Invariance (Lay Nam Chang, Djordje Minic, Ahmed Roman, Chen Sun & Tatsu Takeuchi)Generalization of the Yang-Mills Theory (G Savvidy)Some Thoughts about Yang-Mills Theory (A Zee)Gauging Quantum Groups: Yang-Baxter Joining Yang-Mills (Yong-Shi Wu)The Framed Standard Model (I) — A Physics Case for Framing the Yang-Mills Theory? (Chan Hong-Mo & Tsou Sheung Tsun)The Framed Standard Model (II) — A First Test Against Experiment (Chan Hong-Mo & Tsou Sheung Tsun)On the Study of the Higgs Properties at a Muon Collider (Mario Greco)Aharonov-Bohm Types of Phases in Maxwell and Yang-Mills Field Theories (Bruce H J McKellar)Yang-Mills for Historians and Philosophers (R P Crease)Gauge Concepts in Theoretical Applied Physics (Seng Ghee Tan & Mansoor B A Jalil)Yang-Yang Equilibrium Statistical Mechanics: A Brilliant Method (Xi-Wen Guan & Yang-Yang Chen)Chern-Simons Theory, Vassiliev Invariants, Loop Quantum Gravity and Functional Integration Without Integration (Louis H Kauffman)The Scattering Equations and Their Off-Shell Extension (York-Peng Yao)Feynman Geometries (Sen Hu & Andrey Losev)Particle Accelerator Development: Selected Examples (Jie Wei)A New Storage-Ring Light Source (Alex Chao)New Contributions to Physics by Prof C N Yang: 2009-2011 (Zhong-Qi Ma)Brief Overview of C N Yang's 13 Important Contributions to Physics (Yu Shi) Readership: Graduate students and scientists working in high energy physics, statistical physics and condensed matter physics.