

March 2014 Maths Paper1

Intermediate second Year Maths II A(Telugu Medium) Test papers Issued by Board of Intermediate Education w.e.f 2013-2014.

A stationary solution of the rotating Navier-Stokes equations with a boundary condition is called an Ekman boundary layer. This book constructs stationary solutions of the rotating Navier-Stokes-Boussinesq equations with stratification effects in the case when the rotating axis is not necessarily perpendicular to the horizon. The author calls such stationary solutions Ekman layers. This book shows the existence of a weak solution to an Ekman perturbed system, which satisfies the strong energy inequality. Moreover, the author discusses the uniqueness of weak solutions and computes the decay rate of weak solutions with respect to time under some assumptions on the Ekman layers and the physical parameters. The author also shows that there exists a unique global-in-time strong solution of the perturbed system when the initial datum is sufficiently small. Comparing a weak solution satisfying the strong energy inequality with the strong solution implies that the weak solution is smooth with respect to time when time is sufficiently large.

• Best Selling Book for SSC JE Mechanical Engineering (Paper 1) with objective-type questions as per the latest syllabus given by the SSC. • Compare your performance with other students using Smart Answer Sheets in EduGorilla's SSC JE Mechanical Engineering (Paper 1) Practice Kit. • SSC JE Mechanical Engineering (Paper 1) Preparation Kit comes with 11 Tests (8 Full-length Mock Tests + 3 Previous Year Papers) with the best quality content. • Increase your chances of selection by 14X. • SSC JE Mechanical Engineering (Paper 1) Prep Kit comes with well-structured and 100% detailed solutions for all the questions. • Clear exam with good grades using thoroughly Researched Content by experts.

Teaching can be intimidating for beginning faculty. Some graduate schools and some computing faculty provide guidance and mentoring, but many do not. Often, a new faculty member is assigned to teach a course, with little guidance, input, or feedback. Teaching Computing: A Practitioner's Perspective addresses such challenges by providing a solid resource for both new and experienced computing faculty. The book serves as a practical, easy-to-use resource, covering a wide range of topics in a collection of focused down-to-earth chapters. Based on the authors' extensive teaching experience and his teaching-oriented columns that span 20 years, and informed by computing-education research, the book provides numerous elements that are designed to connect with teaching

practitioners, including: A wide range of teaching topics and basic elements of teaching, including tips and techniques Practical tone; the book serves as a down-to-earth practitioners' guide Short, focused chapters Coherent and convenient organization Mix of general educational perspectives and computing-specific elements Connections between teaching in general and teaching computing Both historical and contemporary perspectives This book presents practical approaches, tips, and techniques that provide a strong starting place for new computing faculty and perspectives for reflection by seasoned faculty wishing to freshen their own teaching.

A Quantum Kirwan Map: Bubbling and Fredholm Theory for Symplectic Vortices over the Plane Retrieval Practice

Data Management for Researchers

Operator Theory, Operator Algebras, and Applications

Analytic Research Foundations for the Next-Generation Electric Grid

This book includes selected papers presented at the MIMS (Mediterranean Institute for the Mathematical Sciences) - GGTM (Geometry and Topology Grouping for the Maghreb) conference, held in memory of Mohammed Salah Baouendi, a most renowned figure in the field of several complex variables, who passed away in 2011. All research articles were written by leading experts, some of whom are prize winners in the fields of complex geometry, algebraic geometry and analysis. The book offers a valuable resource for all researchers interested in recent developments in analysis and geometry.

Northern Ireland is currently undertaking public administration reforms. This report highlights areas where Northern Ireland possesses strengths upon which to build reforms and suggests actions for the future.

For a finite real reflection group W and a W -orbit \mathcal{O} of flats in its reflection arrangement--or equivalently a conjugacy class of its parabolic subgroups--the authors introduce a statistic $\text{operatorname{noninv}}_{\mathcal{O}}(w)$ on W in W that counts the number of " \mathcal{O} -noninversions" of w . This generalizes the classical (non-)inversion statistic for permutations w in the symmetric group \mathfrak{S}_n . The authors then study the operator $\nu_{\mathcal{O}}$ of right-multiplication within the group algebra $\mathbb{C}W$ by the element that has $\text{operatorname{noninv}}_{\mathcal{O}}(w)$ as its coefficient on w .

Retrieval practice is a strategy in which bringing information to mind enhances and boosts learning. In this punchy and accessible book, Kate Jones gives educators strategies and tips for using this powerful technique in their classrooms.

Spectral Theory and Mathematical Physics

Geography, globalisation and governance

INTERMEDIATE I YEAR MATHS I B (English Medium) TEST PAPERS:

12th International Conference, CICM 2019, Prague, Czech Republic, July 8–12, 2019, Proceedings

SSC JE Mechanical Engineering (Paper 1) | 8 Full-length Mock Tests + 3 Previous Year Papers (2200+ Solved Questions)

May 2014, March 2014, May 2013, March 2013, Model papers, Guess Papers, Important questions

Consider a Hamiltonian action of a compact connected Lie group on a symplectic manifold . Conjecturally, under suitable assumptions there exists a morphism of cohomological field theories from the equivariant Gromov-Witten theory of to the Gromov-Witten theory of the symplectic quotient. The morphism should be a deformation of the Kirwan map. The idea, due to D. A. Salamon, is to define such a deformation by counting gauge equivalence classes of symplectic vortices over the complex plane . The present memoir is part of a project whose goal is to make this definition rigorous. Its main results deal with the symplectically aspherical case.

A comprehensive guide to everything scientists need to know about data management, this book is essential for researchers who need to learn how to organize, document and take care of their own data. Researchers in all disciplines are faced with the challenge of managing the growing amounts of digital data that are the foundation of their research. Kristin Briney offers practical advice and clearly explains policies and principles, in an accessible and in-depth text that will allow researchers to understand and achieve the goal of better research data management. Data Management for Researchers includes sections on: * The data problem – an introduction to the growing importance and challenges of using digital data in research. Covers both the inherent problems with managing digital information, as well as how the research landscape is changing to give more value to research datasets and code. * The data lifecycle – a framework for data's place within the research process and how data's role is changing. Greater emphasis on data sharing and data reuse will not only change the way we conduct research but also how we manage research data. * Planning for data management – covers the many aspects of data management and how to put them together in a data management plan. This section also includes sample data management plans. * Documenting your data – an often overlooked part of the data management process, but one that is critical to good management; data without documentation are frequently unusable. * Organizing your data – explains how to keep your data in order using organizational systems and file naming conventions. This section also covers using a database to organize and analyze content. * Improving data analysis – covers managing information through the analysis process. This section starts by comparing the management of raw and analyzed data and then describes ways to make analysis easier, such as spreadsheet best practices. It also examines practices for research code, including version control systems. * Managing secure and private data – many researchers are dealing with data that require extra security. This section outlines what data falls into this category and some of the policies that apply, before addressing the best practices for keeping data secure. * Short-term storage – deals with the practical matters of storage and backup and covers the many options available. This section also goes through the best practices to insure that data are not lost. * Preserving and archiving your data – digital data can have a long life if properly cared for. This section covers managing data in the long term including choosing good file formats and media, as well as determining who will manage the data after the end of the project. * Sharing/publishing your data – addresses how to make data sharing across research groups easier, as well as how and why to publicly share data. This section covers intellectual property and licenses for datasets, before ending with the altmetrics that measure the impact of publicly shared data. * Reusing data – as more data are shared, it becomes possible to use outside

data in your research. This chapter discusses strategies for finding datasets and lays out how to cite data once you have found it. This book is designed for active scientific researchers but it is useful for anyone who wants to get more from their data: academics, educators, professionals or anyone who teaches data management, sharing and preservation. "An excellent practical treatise on the art and practice of data management, this book is essential to any researcher, regardless of subject or discipline." —Robert Buntrock, Chemical Information Bulletin

Electricity is the lifeblood of modern society, and for the vast majority of people that electricity is obtained from large, interconnected power grids. However, the grid that was developed in the 20th century, and the incremental improvements made since then, including its underlying analytic foundations, is no longer adequate to completely meet the needs of the 21st century. The next-generation electric grid must be more flexible and resilient. While fossil fuels will have their place for decades to come, the grid of the future will need to accommodate a wider mix of more intermittent generating sources such as wind and distributed solar photovoltaics. Achieving this grid of the future will require effort on several fronts. There is a need for continued shorter-term engineering research and development, building on the existing analytic foundations for the grid. But there is also a need for more fundamental research to expand these analytic foundations. Analytic Research Foundations for the Next-Generation Electric Grid provide guidance on the longer-term critical areas for research in mathematical and computational sciences that is needed for the next-generation grid. It offers recommendations that are designed to help direct future research as the grid evolves and to give the nation's research and development infrastructure the tools it needs to effectively develop, test, and use this research.

The author of *The Coming of Neo-Feudalism* and *The New Class Conflict* challenges conventions of urban planning. Around the globe, most new urban development has adhered to similar tenets: tall structures, small units, and high density. In *The Human City*, Joel Kotkin—called “America’s uber-geographer” by David Brooks of the *New York Times*—questions these nearly ubiquitous practices, suggesting that they do not consider the needs and desires of the vast majority of people. Built environments, Kotkin argues, must reflect the preferences of most people—even if that means lower-density development. *The Human City* ponders the purpose of the city and investigates the factors that drive most urban development today. Armed with his own astute research, a deep-seated knowledge of urban history, and a sound grasp of economic, political, and social trends, Kotkin pokes holes in what he calls the “retro-urbanist” ideology and offers a refreshing case for dispersion centered on human values. This book is not anti-urban, but it does advocate a greater range of options for people to live the way they want at all stages of their lives. Praise for *The Human City* “Kotkin . . . presents the most cogent, evidence-based and clear-headed exposition of the pro-suburban argument In pithy, readable sections, each addressing a single issue, he debunks one attack on the suburbs after another. But he does more than that. He weaves an impressive array of original observations about cities into his arguments, enriching our understanding of what cities are about and what they can and must become.” —Shlomo Angel, *Wall Street Journal* “The most eloquent expression of urbanism since Jane Jacobs’s *The Death and Life of Great American Cities*. Kotkin writes with a strong sense of place; he recognizes that the geography and traditions of a city create the contours of its urbanity.” —Ronnie Wachter,

Chicago Tribune

Chemistry Education

Analysis and Geometry

Intelligent Computer Mathematics

Best Practices, Opportunities and Trends

May2014, March2014, Model Papers, Guess Papers, Practice Papers

A Homology Theory for Smale Spaces

This book combines (1) the most extensive treatment of the causes and phenomena of climate change in combination with (2) an extensive treatment of social obstacles and challenges (fossil-fuel funded denialism, media failure, political failure, and moral, religious, and economic challenges), (3) the most extensive treatment of the needed transition from fossil-fuel energy to clean energy, and (4) the most extensive treatment of mobilization. It provides the most complete, most up-to-date treatment of the various kinds of clean energy, and how they could combine to provide 70% clean energy by 2035 and 100% before 2050 (both U.S. and worldwide).

Cambridge International AS and A Level Mathematics: Pure Mathematics 1

Coursebook Cambridge University Press

The authors consider the Schrödinger Map equation in $2+1$ dimensions, with values into \mathbb{S}^2 . This admits a lowest energy steady state Q , namely the stereographic projection, which extends to a two dimensional family of steady states by scaling and rotation. The authors prove that Q is unstable in the energy space \dot{H}^1 . However, in the process of proving this they also show that within the equivariant class Q is stable in a stronger topology $X \subset \dot{H}^1$.

Oswaal CBSE Term 2 Sample Paper Class 12 English Core, Physics, Chemistry & Mathematics 2022 Includes 15 Sample Papers. 5 solved & 10 Self-Assessment Papers for Term 2 Board Exams March-April 2022 The CBSE Term 2 Sample Paper Class 12 English Core, Physics, Chemistry & Mathematics 2022 Include all latest typologies of Questions as specified in the latest CBSE Board Sample Paper for Term 2 Board Exams Released on 14th January 2022 These CBSE Term 2 Books Class 12 English Core, Physics, Chemistry & Mathematics 2022

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A Practitioner's Perspective

Near Soliton Evolution for Equivariant Schrödinger Maps in Two Spatial Dimensions Ioan Bejenaru, University of California, San Diego, La Jolla, CA, and Daniel Tataru, University of California, Berkeley, Berkeley, CA

Spectra of Symmetrized Shuffling Operators

Errorless UPPSC General Studies Prelim Paper 1 - 10 Year-wise Solved Papers (2010 - 19)

MIMS-GGTM, Tunis, Tunisia, March 2014. In Honour of Mohammed Salah Baouendi

INTERMEDIATE I YEAR MATHS IA (Telugu Medium) TEST PAPERS

Winner of the CHOICE Outstanding Academic Title 2017 Award This comprehensive collection of top-level contributions provides a thorough review of the vibrant field of chemistry education. Highly-experienced chemistry professors and educationists discuss the latest developments in chemistry learning and teaching, as well as the pivotal role of chemistry for shaping a more sustainable future. Adopting a practice-oriented approach, the current challenges and opportunities posed by chemistry education are discussed, highlighting the pitfalls that can occur in teaching chemistry and how to circumvent them. The main topics include best practices, project-based education, blended learning and the role of technology, including e-learning, and visualization. Hands-on recommendations on how to optimally implement innovative strategies of teaching chemistry at secondary and high-school levels make this book an essential resource for anybody interested in either teaching or learning chemistry effectively, from experienced chemistry professors to secondary school teachers, from educators with no formal training to frustrated chemistry students.

S Chand's ISC Mathematics is structured according to the latest syllabus as per the new CISCE(Council for the Indian Certificate Examinations), New Delhi, for ISC students taking classes XI & XII examinations.

In recent years, the United Kingdom has become a more and more divided society with inequality between the regions it has ever been. In a landmark analysis of the current state of Britain's regional development, Philip McCann utilises

statistics, examines historical trends and makes pertinent international comparisons to assess the state of the nation. The Regional-National Economic Problem brings attention to the highly centralised, top down governance structure that exists in the UK and demonstrates that it is less than ideally placed to rectify these inequalities. The 'North-South' divide in the UK has become greater and the rising inequalities are evident in almost all aspects of the economy including productivity, incomes, employment status and wealth. Whilst the traditional economic dominance of London and its hinterland has continued along with its resilience in the South West of England and Scotland, in contrast the Midlands, the North of England, Northern Ireland and Wales lag behind by most measures of prosperity. This inequality is greatly limiting national economic performance and the fact that Britain has a below average standard of living by European and OECD terms has been ignored. The UK's economic and governance inequality is unlikely to be fundamentally rebalanced by the current governance and connectivity trends, but a definitive study suggests that some areas of improvement are possible if they are well implemented. This pivotal and essential reading for postgraduate students in economics and urban studies as well as researchers and policy makers in local and central government.

The author develops a homology theory for Smale spaces, which include the basic sets for an Axiom A diffeomorphism on two ingredients. The first is an improved version of Bowen's result that every such system is the image of a shift of finite type under a finite-to-one factor map. The second is Krieger's dimension group invariant for shifts of finite type. He proves a formula which relates the number of periodic points of the system for a given period to trace data from the action on the homology groups. The existence of such a theory was proposed by Bowen in the 1970s.

INTERMEDIATE II YEAR MATHS II A(Telugu Medium) TEST PAPERS

Trends in Harmonic Analysis and Its Applications

Generalized Descriptive Set Theory and Classification Theory

The Language Issue in the Teaching of Mathematics in South Africa

Teaching Computing

The Human City

Cambridge AS and A Level Mathematics is a revised series to ensure full syllabus coverage. This coursebook has been revised and updated to ensure that it meets the requirements for the Pure Mathematics 1 (P1) unit of Cambridge AS and A Level Mathematics (9709). Additional materials have been added to sections on quadratics, coordinate geometry, vectors and differentiation. All of the review questions have been updated to reflect changes in the style of questions asked in the course.

Descriptive set theory is mainly concerned with studying subsets of the space of all countable binary sequences. In this paper the authors study the generalization where countable is replaced by uncountable. They explore properties of generalized Baire and Cantor spaces, equivalence relations and their Borel reducibility. The study shows that the descriptive set theory looks very

different in this generalized setting compared to the classical, countable case. They also draw the connection between the stability theoretic complexity of first-order theories and the descriptive set theoretic complexity of their isomorphism relations. The authors' results suggest that Borel reducibility on uncountable structures is a model theoretically natural way to compare the complexity of isomorphism relations.

This book constitutes the refereed proceedings of the 12th International Conference on Intelligent Computer Mathematics, CICM 2019, held in Prague, Czech Republic, in July 2019. The 19 full papers presented were carefully reviewed and selected from a total of 41 submissions. The papers focus on digital and computational solutions which are becoming the prevalent means for the generation, communication, processing, storage and curation of mathematical information. Separate communities have developed to investigate and build computer based systems for computer algebra, automated deduction, and mathematical publishing as well as novel user interfaces. While all of these systems excel in their own right, their integration can lead to synergies offering significant added value.

1. The book is complete practice capsule for CTET and TETs Entrances 2. This practice capsule deals with Paper 1 for classes 1 to 5 3. Covers Previous Years' Questions (2021-2013) of various Teaching Entrances 4. More than 3000 Questions are provided for practice 5. Well detailed answers help to understand the concepts Central Teacher Eligibility Test (CTET) or Teacher Eligibility Test (TET) are the national level teaching entrance exams that recruit eligible candidates as teacher who are willing to make their careers in the stream of teaching at Central or State Government Schools. Prepared under National curriculum pattern, the current edition of "CTET & TETs Previous Years' Solved Papers – Paper 1 for Class 1-5" is a complete practice package for teaching entrances. This book covers all the previous years' questions (2021-2013) providing complete detailed explanations of each question. It has more than 3000 Questions that are asked in various Teaching Entrances that promote self-evaluation by enabling not just practicing and revising concepts but also to keep track of self-progress. Well detailed answers help students to win over doubt and fears associated with exam. Preparation done from this book proves to be highly useful for CTET & TET Paper I in achieving good rank. TABLE OF CONTENT Solved Paper (2021-2013)

ISC Mathematics book 1 for Class- 11

INTERMEDIATE II YEAR MATHS II B(Telugu Medium) TEST PAPERS

The UK Regional-National Economic Problem

May 2014, March 2014, May 2013, Model papers

Intermediate Phase research from one province

Can Civilization Survive the CO2 Crisis?

The present volume contains the Proceedings of the International Conference on Spectral Theory and Mathematical Physics held in Santiago de Chile in November 2014. Main topics are: Ergodic Quantum Hamiltonians, Magnetic Schrödinger Operators, Quantum Field Theory, Quantum Integrable Systems, Scattering Theory, Semiclassical and Microlocal Analysis, Spectral Shift Function and Quantum Resonances. The book presents survey articles as well as original research papers on these topics. It will be of interest to researchers and graduate students in Mathematics and

Mathematical Physics.

The landscape of international education has changed significantly in the last ten years and our understanding of concepts such as 'international', 'global' and 'multicultural' are being re-evaluated. Fully updated and revised, and now including new contributions from research in South East Asia, the Middle East, China, Japan, Australasia, and North America, the new edition of this handbook analyses the origins, interpretations and contributions of international education and explores key contemporary developments, including: internationalism in the context of teaching and learning leadership, standards and quality in institutions and systems of education the promotion of internationalism in national systems This important collection of research is an essential resource for anyone involved in the practice and academic study of international education, including researchers and teachers in universities, governmental and private curriculum development agencies, examination authorities, administrators and teachers in schools.

The book is the result of a five-year project that culminated (within the first three years) in doctoral research interrogating language competency for meaningful mathematics instruction at upper primary level conducted at University of Stellenbosch in 2017; and this book in the succeeding two years. The initial research project received countrywide coverage in several South African media outlets including Times Live and Radio 2000.

Inspiring Primary Learners offers trainee and qualified teachers high-quality case studies of outstanding practice in contemporary classrooms across the country. Expert authors unravel and reveal the theory and evidence that underpins lessons, helping you make connections with your own practice and understand what 'excellent' looks like, within each context, and how it is achieved. Illustrated throughout with interviews, photos, and examples of children's work, it covers a range of primary subjects and key topics including creating displays, outdoor learning, and developing a reading for pleasure culture. The voice of the practitioner is evident throughout as teachers share their own experience, difficulties, and solutions to ensure that children are inspired by their learning. Written in two parts, the first exemplifies examples of practice for each National Curriculum subject, whilst the second focuses on the wider curriculum and explores issues pertinent to the primary classroom, highlighting important discussions on topics such as: Reading for pleasure Writing for pleasure Creating a dynamic and responsive curriculum Creating inspiring displays Outdoor learning Pedagogy for imagination Relationships and Sex Education This key text shows how, even within the contested space of education, practitioners can inspire their primary learners through teaching with passion and purpose for the empowerment of the children in their class. For all new teachers, it provides advice and ideas for effective and engaging learning experiences across the curriculum.

Oswaal CBSE Term 2 Accountancy, English Core, Business Studies & Mathematics Class 12 Sample Question Papers
(Set of 4 Books) (For Term-2 2022 Exam)

Junior Graphic

OECD Public Governance Reviews Northern Ireland (United Kingdom): Implementing Joined-up Governance for a
Common Purpose

From Mathematics to Generic Programming

Organize, maintain and share your data for research success

This volume contains the proceedings of the AMS Special Session on Harmonic Analysis and Its Applications held March 29-30, 2014, at the University of Maryland, Baltimore County, Baltimore, MD. It provides an in depth look at the many directions taken by experts in Harmonic Analysis and related areas. The papers cover topics such as frame theory, Gabor analysis, interpolation and Besov spaces on compact manifolds, Cuntz-Krieger algebras, reproducing kernel spaces, solenoids, hypergeometric shift operators and analysis on infinite dimensional groups. Expositions are by leading researchers in the field, both young and established. The papers consist of new results or new approaches to solutions, and at the same time provide an introduction into the respective subjects.

This book establishes gender issues as a major focus within developments shaping higher education in the Asia Pacific region. The discussion is framed as a response to various dedicated efforts, such as that of the United Nations, to foreground gender as a site for political discourse throughout the region. Throughout the volume, authors confront issues that continue to gain prominence in higher education as a policy arena, including the degree to which higher education operates within a framework of gender equity and how higher education appointments—even promotions—are sensitive to gender. By touching specific instances throughout Korea, Japan, China, Australia, India, Malaysia, Thailand, and Taiwan, authors offer an unprecedented big-picture view of gender-relevant policy issues.

Intermediate second Year Maths II B(Telugu Medium)Test papers Issued by Board of Intermediate Education w.e.f 2013-2014.

In this substantive yet accessible book, pioneering software designer Alexander Stepanov and his colleague Daniel Rose illuminate the principles of generic programming and the mathematical concept of abstraction on which it is based, helping you write code that is both simpler and more powerful. If you're a reasonably proficient programmer who can think logically, you have all the background you'll need.

Stepanov and Rose introduce the relevant abstract algebra and number theory with exceptional clarity. They carefully explain the problems mathematicians first needed to solve, and then show how these mathematical solutions translate to generic programming and the creation of more effective and elegant code. To demonstrate the crucial role these mathematical principles play in many modern applications, the authors show how to use these results and generalized algorithms to implement a real-world public-key cryptosystem. As you read this book, you'll master the thought processes necessary for effective programming and learn how to generalize narrowly conceived algorithms to widen their usefulness without losing efficiency. You'll also gain deep insight into the value of mathematics to programming—insight that will prove invaluable no matter what programming languages and paradigms you use. You will learn about How to generalize a four thousand-year-old algorithm, demonstrating indispensable lessons about clarity and efficiency Ancient paradoxes, beautiful theorems, and the productive tension between continuous and discrete A simple algorithm for finding greatest common divisor (GCD) and modern abstractions that build on it Powerful mathematical approaches to abstraction How abstract algebra provides the idea at the heart of generic programming Axioms, proofs, theories, and models: using mathematical techniques to organize knowledge about your algorithms and data structures Surprising subtleties of simple programming tasks and what you can learn from them How practical implementations can exploit theoretical knowledge
May 2014, March 2014, Model papers, Practiece Papers, Guess Papers
GO TO UGC NET Paper 1 Guide

The SAGE Handbook of Research in International Education
Unprecedented

Relative Equilibria in the 3-Dimensional Curved n-Body Problem

Research & Resources for every classroom

Intermediate First Year MATHS I A Test papers Issued by Board of Intermediate Education w.e.f 2013-2014.

Intermediate First Year MATHS I B Test papers Issued by Board of Intermediate Education w.e.f 2013-2014.

Nonlinear Stability of Ekman Boundary Layers in Rotating Stratified Fluids

Gender and the Changing Face of Higher Education in Asia Pacific

Inspiring Primary Learners

Urbanism for the Rest of Us

Cambridge International AS and A Level Mathematics: Pure Mathematics 1 Coursebook

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