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Parliamentary Papers Oct 27 2019

Computational Intelligence in Data Science Apr 01 2020 This book constitutes the refereed post-conference proceedings of the Fifth IFIP TC 12 International Conference on Computational Intelligence in Data Science, ICCIDS 2022, held virtually, in March 2022. The 28 revised full papers presented were carefully reviewed and selected from 96 submissions. The papers cover topics such as computational intelligence for text analysis; computational intelligence for image and video analysis; blockchain and data science.

Soft Computing and Its Applications, Volume One Jun 23 2019 This is volume 1 of the two-volume set Soft Computing and Its Applications. This volume explains the primary tools of soft computing as well as provides an

abundance of working examples and detailed design studies. The book starts with coverage of fuzzy sets and fuzzy logic and their various approaches to fuzzy reasoning. Precisely speaking, this book provides a platform for handling different kinds of uncertainties of real-life problems. It introduces the reader to the topic of rough sets. This book's companion volume, Volume 2: Fuzzy Reasoning and Fuzzy Control, will move forward from here to discuss several advanced features of soft computing and application methodologies. This new book:

- Discusses the present state of art of soft computing
- Includes the existing application areas of soft computing
- Presents original research contributions
- Discusses the future scope of work in soft computing

The book is unique in that it bridges the gap between theory and practice, and it presents several experimental results on synthetic data and real-life data. The book provides a unified platform for applied scientists and engineers in different fields and industries for the application of soft computing tools in many diverse domains of engineering.

The Collected Mathematical Papers of Arthur Cayley Dec 22 2021

Gotham Nov 08 2020 To European explorers, it was Eden, a paradise of waist-high grasses, towering stands of walnut, maple, chestnut, and oak, and forests that teemed with bears, wolves, raccoons, beavers, otters, and foxes. Today, it is the site of Broadway and Wall Street, the Empire State Building and the Statue of Liberty, and the home of millions of people, who have come from every corner of the nation and the globe. In Gotham, Edwin G. Burrows and Mike Wallace have produced a monumental work of history, one that ranges from the Indian tribes that settled in and around the island of Manna-hata, to the consolidation of the five boroughs into Greater New York in 1898. It is an epic narrative, a story as vast and as varied as the city it chronicles, and it underscores that the history of New York is the story of our nation. Readers will relive the tumultuous early years of New Amsterdam under the Dutch West India Company, Peter Stuyvesant's despotic regime, Indian wars, slave resistance and revolt, the Revolutionary War and the defeat of Washington's army on Brooklyn Heights, the destructive seven years of British occupation, New York as the nation's first capital, the duel between Aaron Burr and Alexander Hamilton, the Erie Canal and the coming of the railroads, the growth of the city as a port and financial center, the infamous draft riots of the Civil War, the great flood of immigrants, the rise of mass entertainment such as vaudeville and Coney Island, the building of the Brooklyn Bridge and the birth of the skyscraper. Here too is a cast of thousands--the rebel Jacob Leisler and the reformer Joanna Bethune; Clement Moore, who saved Greenwich Village from the city's street-grid plan; Herman Melville, who painted disillusioned portraits of city life; and Walt Whitman, who happily celebrated that same life. We meet the rebel Jacob Leisler and the reformer Joanna Bethune; Boss Tweed and his nemesis, cartoonist Thomas Nast; Emma Goldman and Nellie Bly; Jacob Riis and Horace Greeley; police commissioner Theodore Roosevelt; Colonel Waring and his "white angels" (who revolutionized the sanitation department); millionaires John Jacob Astor, Cornelius Vanderbilt, August Belmont, and William Randolph Hearst; and hundreds more who left their mark on this great city. The events and people who crowd these pages guarantee that this is no mere local history. It is in fact a portrait of the heart and soul of America, and a book that will mesmerize everyone interested in the peaks and

valleys of American life as found in the greatest city on earth. Gotham is a dazzling read, a fast-paced, brilliant narrative that carries the reader along as it threads hundreds of stories into one great blockbuster of a book.

Export and Import Procedures Jan 11 2021 This book is the work of almost 3.5 years of my academic career. The book focuses on the way of starting a new export and import business. The entire book is divided into four main modules. The 1st module discusses about the role of export import in developing country like India, the current scenario of the Export and import in India, Categories of Exporters and Preliminaries of starting an Export and Import Business in India. The 2nd module discusses about the registration process of Exporters and importers, registration with Export Promotion council, Registration cum membership certificate, registration with government bodies relating to the Export and import business. The 3rd module discusses about the detailed registration process of central excise, assessment of the central Excise, mode of payment of central excise, CENVAT credit, arranging for the import finance and export finance and the EXIM bank. The 4th Module discusses about the Scrutiny of the Import and export documents, Methods of payment, Exchange rate, forward market, Custom Clearance of imported goods, Agri Export zone, 100% Export oriented units, Export Processing zones, Special Economic zones, Port trusts, Service exports, Service Export Councils and FEMA Act Each unit comprises of a list of terms and practice questions. It also has past GTU Papers for the practice of the students. The book is worth for the bachelor level and even few master level students who learn Export and import Procedures and International Business.

Fundamental Uncertainty Sep 18 2021 This volume addresses the subject of uncertainty from the point of view of an extended conception of rationality. In particular, the contributions explore the premises and implications of plausible reasoning when probabilities are non-measurable or unknown, and when the space of possible events is only partially identified.

Mathematical Aspects of Computer and Information Sciences May 03 2020 This book constitutes the refereed proceedings of the 8th International Conference on Mathematical Aspects of Computer and Information Sciences, MACIS 2019, held in Gebze, Turkey, in November 2019. The 22 revised papers and 14 short papers presented were carefully reviewed and selected from 66 submissions. The papers are organized in the following topical sections: algorithms and foundation; security and cryptography; combinatorics, codes, designs and graphs; data modeling and machine learning; tools and software track.

City of God May 15 2021 *City of God*, the latest installment in Beverly Swerling's gripping saga of old New York, takes readers to Manhattan's clamorous streets as the nation struggles to find a compromise between slave and free, but hears the drums of war. This is New York when one synagogue is no longer adequate for thousands of Jewish immigrants, when New Evangelicals rouse complacent Protestants with the promise of born-again salvation, and when it first sees Catholic nuns and calls them whores of Satan. It is New York when ships bring the fabulous wealth of nations to its wharves and auction houses, while a short distance away rival gangs fight to the death with broken bottles and teeth filed to points. Into this churning cauldron

comes young Dr. Nicholas Turner. Nick knows that the discoveries of antiseptic and anesthesia promise medical miracles beyond the dreams of ages. He learns that to make such progress reality he must battle the city's corrupt politics and survive the snake pit that is Bellevue Hospital, all while resisting his love for the beautiful Carolina Devrey, his cousin's wife. Sam Devrey, head of the shipping company that bears his name and a visionary who believes the future will be ushered in by mighty clipper ships spreading acres of sail, battles demons of his own. The life he lives with Carolina in the elegant brownstone on newly fashionable Fifth Avenue is a charade meant to disguise his heart's true home, the secret downtown apartment of the exquisite Mei-hua, his Chinese child-bride. The worlds of all four are imperiled when Sam must rely on Nick's skills to save the woman he loves, and only Nick's honor guards Sam's secret. On a night when promises of hellfire seem to become reality and the city nearly burns to the ground, Carolina and Mei-hua confront the truth of their duplicitous marriages. Rage and revenge join love and passion as driving forces in a story played out against the background of the glittering New York that rises from the ashes, where Delmonico's and the Astor House host bejeweled women and top-hatted men, both with the din of commerce in their ears and the glint of gold in their eyes. As always, Swerling has conjured a dazzling cast of characters to people her city. Among those seeking born-again salvation are Addie Bellingham, befriended by the widow Manon Turner but willing to betray her, and Lilac Langton, who confesses her sins but avoids mentioning that she's a skilled abortionist in a city that has recently made abortion a crime. Ben Klein, a brilliant young physician, must balance devotion to his mentor and dedication to research with duty to the Jewish community. Wilbur Randolph, Carolina's father, indulges her in everything but fails her when she needs him most. Jenny Worthington, Wilbur's longtime mistress, is driven by avarice to make common cause with Fearless Flannagan, a member of a New York police force as corrupt as the city it serves. Ah Chee, Mei-hua's devoted servant, struggles through Manhattan's streets on bound feet and burns incense to the kitchen god in this place of foreign devils. They are all here, heroines and saints, villains and victims, and a vanished New York made to live again in an intricate tale of old debts and new rivalries.

On Fuzziness Jul 25 2019 The notion of Fuzziness stands as one of the really new concepts that have recently enriched the world of Science. Science grows not only through technical and formal advances on one side and useful applications on the other side, but also as consequence of the introduction and assimilation of new concepts in its corpus. These, in turn, produce new developments and applications. And this is what Fuzziness, one of the few new concepts arisen in the XX Century, has been doing so far. This book aims at paying homage to Professor Lotfi A. Zadeh, the "father of fuzzy logic" and also at giving credit to his exceptional work and personality. In a way, this is reflected in the variety of contributions collected in the book. In some of them the authors chose to speak of personal meetings with Lotfi; in others, they discussed how certain papers of Zadeh were able to open for them a new research horizon. Some contributions documented results obtained from the author/s after taking inspiration from a particular idea of Zadeh, thus implicitly acknowledging

him. Finally, there are contributions of several "third generation fuzzysists or softies" who were firstly led into the world of Fuzziness by a disciple of Lotfi Zadeh, who, following his example, took care of opening for them a new road in science. Rudolf Seising is Adjoint Researcher at the European Centre for Soft Computing in Mieres, Asturias (Spain). Enric Trillas and Claudio Moraga are Emeritus Researchers at the European Centre for Soft Computing, Mieres, Asturias (Spain). Settimo Termini is Professor of Theoretical Computer Science at the University of Palermo, Italy and Affiliated Researcher at the European Centre for Soft Computing, Mieres, Asturias (Spain)

Computer Algebra in Scientific Computing Oct 08 2020 This book constitutes the proceedings of the 24th International Workshop on Computer Algebra in Scientific Computing, CASC 2022, which took place in Gebze, Turkey, in August 2022. The 20 full papers included in this book were carefully reviewed and selected from 32 submissions. They focus on the theory of symbolic computation and its implementation in computer algebra systems as well as all other areas of scientific computing with regard to their benefit from or use of computer algebra methods and software.

Dutiable and free lists Apr 25 2022

American Catholicism Transformed Nov 20 2021 Situating the church within the context of post-World War II globalization and the Cold War, *American Catholicism Transformed* draws on previously untapped archival sources to provide deep background to developments within the American Catholic Church in relationship to American society at large. Shaped by anti-communist sentiment and responsive to American cultural trends, the Catholic community adopted "strategies of domestic containment," stressing the close unity between the Church and the "American way of life." A focus on the unchanging character of God's law as expressed in social hierarchies of authority, race, and gender provided a public visage of unity and uniformity. However, the emphasis on American values mainstreamed into the community the political values of personal rights, equality, acceptance of the arms race, and muted the Church's inherited social vision. The result was a deep ambivalence over the forces of secularization. The Catholic community entered a transitional stage in which "those on the right" and "those on the left" battled for control of the Church's vision. International networking, reform of religious life among women, international congresses of the laity, the institutionalization of the liturgical movement, and the burgeoning civil right movement positioned the community to receive the Vatican Council in a distinctly American way. During the Second Vatican Council, the American bishops and theological experts gradually adopted the reforming currents of the world-wide Church. This convergence of international and national forces of renewal -- and resistance to them -- says Joseph Chinnici, will continue to shape the American Catholic community's identity in the twenty-first century.

ASME Technical Papers Sep 30 2022

Collected Papers of K.T. Chen Jun 27 2022 Kuo-Tsai Chen (1923-1987) is best known to the mathematics community for his work on iterated integrals and power series connections in conjunction with his research on the cohomology of loop spaces. His work is intimately related to the theory of minimal models as developed by Dennis Sullivan, whose own work was in part inspired

by the research of Chen. An outstanding and original mathematician, Chen's work falls naturally into three periods: his early work on group theory and links in the three sphere; his subsequent work on formal differential equations, which gradually developed into his most powerful and important work; and his work on iterated integrals and homotopy theory, which occupied him for the last twenty years of his life. The goal of Chen's iterated integrals program, which is a de Rham theory for path spaces, was to study the interaction of topology and analysis through path integration. The present volume is a comprehensive collection of Chen's mathematical publications preceded by an article, "The Life and Work of Kuo-Tsai Chen," placing his work and research interests into their proper context and demonstrating the power and scope of his influence.

Ethical Imperialism Feb 21 2022 This short, smart analysis will engage scholars across academia.

What Are You Doing About It? Jan 29 2020 In his memoir, *What Are You Doing About It?*, ethicist and activist David W. Gill takes readers on an exciting inside tour of the academic, cultural, religious, and political landscape in which he has lived and worked for the past several decades. From Berkeley to Bordeaux, Chicago to Boston . . . from the business trenches and the local church to the seminary and the graduate school of business . . . from marching in the streets to the writer's study . . . from entrepreneurial leadership to institutional challenge . . . Gill never wavered in his mission to promote the ethical insights and values of Jesus and Scripture in the workplace as much as the churchplace. This is a story to inspire a new generation of thoughtful activists.

The First Christians in the Roman World Mar 01 2020 Collection of previously published essays and lectures.

Digest of Customs and Related Laws and of Decisions Thereunder Mar 25 2022
Accretion Mar 13 2021 The book collects 29 papers which have been particularly influential in the development of accretion theory. As an introductory paper a recent review on the subject is reported. An extensive list of references closes the volume. Contents: Introductory PaperThe Seminal PapersThe Standard Accretion TheorySome Further DevelopmentsList of References Readership: Astronomicists. Keywords:Accretion

University Research for Innovation Aug 25 2019 Drawn from the 7th Glion Colloquium held in 2009, this volume considers the role of research universities in an innovation-driven global society. Whether in the "old world" of Europe and North America or in rapidly developing nations, the message is clear: innovation has become the key to prosperity and social well-being in a hypercompetitive global economy. Part I introduces several forms of economic, technological, and social innovation. Part II discusses agents of innovation from the points of view of a research university, industry, and national innovation policies. Part III presents university leaders from long-established and emerging institutions to compare how regional and institutional characteristics shape innovation strategies. Part IV focuses on approaches to innovation at national and institutional levels, including a U.S. approach to energy challenges, the shift of high-tech industry toward open innovation, and the challenges of creating world-class universities. Part V addresses the intellectual character of innovation and its relationship to the university's mission. Today's economy requires not

only leadership in innovation but also educated citizens capable of applying technology, talent, and capital in new ways. Institutions of higher learning must collaborate with industry and government to create a climate and culture that enable innovation to thrive.

Paper Jul 17 2021

Soft Methods for Integrated Uncertainty Modelling Jul 29 2022 The idea of soft computing emerged in the early 1990s from the fuzzy systems community, and refers to an understanding that the uncertainty, imprecision and ignorance present in a problem should be explicitly represented and possibly even exploited rather than either eliminated or ignored in computations. For instance, Zadeh defined 'Soft Computing' as follows: Soft computing differs from conventional (hard) computing in that, unlike hard computing, it is tolerant of imprecision, uncertainty and partial truth. In effect, the role model for soft computing is the human mind. Recently soft computing has, to some extent, become synonymous with a hybrid approach combining AI techniques including fuzzy systems, neural networks, and biologically inspired methods such as genetic algorithms. Here, however, we adopt a more straightforward definition consistent with the original concept. Hence, soft methods are understood as those uncertainty formalisms not part of mainstream statistics and probability theory which have typically been developed within the AI and decision analysis community. These are mathematically sound uncertainty modelling methodologies which are complementary to conventional statistics and probability theory.

Engineering Graphics (For 1st Year of GTU, Ahmedabad) Jun 15 2021 This publication deals with the language of engineers, i.e., Engineering Graphics. It is based on the syllabus of Gujarat Technological University and also useful for the students of other Indian Universities and the Technical Examination Boards of Various States. In this revised edition, a new section, 'Additional Problems' is given at last

Labor Unions and Autocracy in Iran Jul 05 2020 Ladjevardi follows the rise and ebb of political development in Iran from 1906 to the recent past by looking at one aspect of political growth: the emergence of labor unions. Presenting a history of the labor movement in Iran, he begins with the genesis of the movement from 1906 to 1921 and then looks at the state of labor unions under Reza Shah from 1925 to 1941. During the 1940s polarization between the unions and the government increased, as did Soviet and British influence on the unions. From 1946 to 1953 Iran saw the rise and fall of government-controlled unions and, after 1953, workers without unions. After years of frustration and countless examples of contradiction between words and deeds, the workers and most of the politically aware populace became cynical about constitutional government, parliamentary elections, the promises of the ruling elite, and the friendship of the Western powers. Ladjevardi's account of the labor movement in Iran leaves little doubt as to why the workers turned against them all: the monarchy, "Western democracy," and the West itself.

A Historical Introduction to the Study of New Religious Movements Nov 28 2019 The American public's perception of New Religious Movements (NRMs) as fundamentally harmful cults stems from the "anticult" movement of the 1970s, which gave a sometimes hysterical and often distorted image of NRMs to the

media. At the same time, academics pioneered a new field, studying these same NRMs from sociological and historical perspectives. They offered an interpretation that ran counter to that of the anticult movement. For these scholars in the new field of NRM studies, NRMs were legitimate religions deserving of those freedoms granted to established religions. Those scholars in NRM studies continued to evolve methods and theories to study NRMs. This book tells their story. Each chapter begins with a biography of a key person involved in studying NRMs. The narrative unfolds chronologically, beginning with late nineteenth- and early-twentieth century perceptions of religions alternative to the mainstream. Then the focus shifts to those early efforts, in the 1960s and 1970s, to comprehend the growing phenomena of cults or NRMs using the tools of academic disciplines. The book's midpoint is a chapter that looks closely at the scholarship of the anticult movement, and from there moves forward in time to the present, highlighting themes in the study of NRMs like violence, gender, and reflexive ethnography. No other book has used the scholars of NRMs as the focus for a study in this way. The material in this volume is, therefore, a fascinating viewpoint from which to explore the origins of this vibrant academic community, as well as analyse the practice of Religious Studies more generally.

Recent Developments and the New Direction in Soft-Computing Foundations and Applications Aug 06 2020 This book gathers authoritative contributions in the field of Soft Computing. Based on selected papers presented at the 7th World Conference on Soft Computing, which was held on May 29–31, 2018, in Baku, Azerbaijan, it describes new theoretical advances, as well as cutting-edge methods and applications. New theories and algorithms in fuzzy logic, cognitive modeling, graph theory and metaheuristics are discussed, and applications in data mining, social networks, control and robotics, geoscience, biomedicine and industrial management are described. This book offers a timely, broad snapshot of recent developments, including thought-provoking trends and challenges that are yielding new research directions in the diverse areas of Soft Computing.

Christianity in China Aug 18 2021 Now revised and updated to incorporate numerous new materials, this is the major source for researching American Christian activity in China, especially that of missions and missionaries. It provides a thorough introduction and guide to primary and secondary sources on Christian enterprises and individuals in China that are preserved in hundreds of libraries, archives, historical societies, headquarters of religious orders, and other repositories in the United States. It includes data from the beginnings of Christianity in China in the early eighth century through 1952, when American missionary activity in China virtually ceased. For this new edition, the institutional base has shifted from the Princeton Theological Seminary (Protestant) to the Ricci Institute for Chinese-Western Cultural Relations at the University of San Francisco (Jesuit), reflecting the ecumenical nature of this monumental undertaking.

No Silent Witness Oct 20 2021 Shifting the center of gravity from pulpits to parsonages, and from confident sermons to whispered doubts, this family narrative humanizes the Eliot saints, demystifies their liberal religion, and lifts up the largely unsung female vocation of practical ministry. Spanning 150 years from the early 19th century forward, the narrative probes the women's defining experiences: the deaths of numerous children, the

anguish of infertility, persistent financial worries, and the juggling of the often competing demands that parishes make on first ladies. Here, too, we see the matriarch's granddaughters scripting larger lives as they skirt traditional marriage and women's usual roles in the church. They follow their hearts into same-sex unions and blaze new trails as they carve out careers in public health service and preschool education. These stories are linked by the women's continuing battles to speak and make themselves heard over the thundering clerical wisdom that contradicts their reality. A wealth of photographs, genealogical charts, and a family roster deepen the reader's engagement with this ambitious biography.

Christianity, Social Justice, and the Japanese American Incarceration during World War II Nov 01 2022 Anne M. Blankenship's study of Christianity in the infamous camps where Japanese Americans were incarcerated during World War II yields insights both far-reaching and timely. While most Japanese Americans maintained their traditional identities as Buddhists, a sizeable minority identified as Christian, and a number of church leaders sought to minister to them in the camps. Blankenship shows how church leaders were forced to assess the ethics and pragmatism of fighting against or acquiescing to what they clearly perceived, even in the midst of a national crisis, as an unjust social system. These religious activists became acutely aware of the impact of government, as well as church, policies that targeted ordinary Americans of diverse ethnicities. Going through the doors of the camp churches and delving deeply into the religious experiences of the incarcerated and the faithful who aided them, Blankenship argues that the incarceration period introduced new social and legal approaches for Christians of all stripes to challenge the constitutionality of government policies on race and civil rights. She also shows how the camp experience nourished the roots of an Asian American liberation theology that sprouted in the sixties and seventies.

Proceedings of the International Symposium on Sustainable Energy and Power Engineering 2021 Aug 30 2022 This book comprises the proceedings of the International Symposium on Sustainable Energy and Power Engineering (SUSE) 2021. The contents of this volume focus on recent technological advances in the field of energy efficiency and green buildings, new construction materials and related technology, hydrogen and renewable energy, environmental aspects of the modern power industry, etc. The contents cover latest advances especially in digital transformation of society and economy of the energy sector, turbomachines and combined plants, intelligent energy systems. This volume will prove a valuable resource for those in academia and industry. .

Invited Papers Feb 09 2021 The Proceedings of the 17th International Cosmic Ray Conference held in Paris, July 15 to 25, 1981, appear in two sets. The Regular Volumes, 1 to 8, contain contributed papers received at the Secretariat by April 1st, 1981. They were issued at the opening of the Conference. The Late Volumes, 9 to 14, contain contributed papers received after that date, Invited and Rapporteur Talks, and the General Index. The assiduous reader will notice several changes with respect to the well-established traditions of the Conference. 1/ Following a recommendation of the Commission on Cosmic Rays of IUPAP, and although an increase in the total number of papers submitted was noticed as compared to the 16th ICRC

(Kyoto, 1979), the total number of pages has been significantly reduced, thanks to introduction of three new rules for publication. (i) None of the first "Preliminary" Abstracts was published. These abstracts had to be confirmed, either by a new "Confirming Abstract" or by a Full Paper. The Confirming Abstracts are included in the Proceedings. (ii) The sum of the "fractional" contributions of each author should not exceed 3 papers, and each author should not appear in more than 10 papers. (iii) The maximum number of pages per paper was reduced from 6 to 4. The Organizing Committee thanks all authors who have, in their vast majority, very efficiently cooperated by kindly complying with these new rules. The papers we selected on the basis of the Preliminary Abstracts.

Collected Papers of the Mayo Clinic and the Mayo Foundation Apr 13 2021

Graph Transformation Sep 06 2020 This book constitutes the refereed proceedings of the 14th International Conference on Graph Transformation, ICGT 2021, which took place virtually during June 24-25, 2021. The 14 full papers and 2 tool papers presented in this book were carefully reviewed and selected from 26 submissions. They deal with the following topics: theoretical advances; application domains; and tool presentations.

Indian Journal of Chemistry Dec 10 2020

Studying the Sikhs Dec 30 2019 This basic guide and resource book targets four fields—religious studies, history, world literature, and ethnic or migration studies—in which Sikhism is now receiving greater attention. The authors explain the problems of studying and interpreting Sikhism, and opportunities for integrating Sikh studies into a broader curriculum in each field. They also provide a sense of the Sikh community's own approach to education, and evaluate materials and approaches at the North American university level. Included are a sample syllabus with an explanatory essay, a bibliographical guide, a glossary, and a general bibliography. Gurinder Singh Mann's review of his course on Sikhism is an effective mini-guide to the field as a whole.

The Politics of Punishment Jan 23 2022 Bruce F. Adams examines how Russia's Main Prison Administration was created, the number of prisoners it managed in what types of prisons, and what it accomplished. While providing a thorough account of prison management at a crucial time in Russia's history, Adams explores broader discussions of reform within Russia's government and society, especially after the Revolution of 1905, when arguments on such topics as parole and probation boiled in the arena of raucous public debate.

Parliamentary Papers Jun 03 2020

Selected Papers of Freeman Dyson with Commentary Sep 26 2019 This book offers a unique compilation of papers in mathematics and physics from Freeman Dyson's 50 years of activity and research. These are the papers that Dyson considers most worthy of preserving, and many of them are classics. The papers are accompanied by commentary explaining the context from which they originated and the subsequent history of the problems that either were solved or left unsolved. This collection offers a connected narrative of the developments in mathematics and physics in which the author was involved, beginning with his professional life as a student of G. H. Hardy.

Modern Mathematics Education for Engineering Curricula in Europe May 27 2022 This book is open access under a CC BY License. It provides a comprehensive overview of the core subjects comprising mathematical

curricula for engineering studies in five European countries and identifies differences between two strong traditions of teaching mathematics to engineers. The collective work of experts from a dozen universities critically examines various aspects of higher mathematical education. The two EU Tempus-IV projects – MetaMath and MathGeAr – investigate the current methodologies of mathematics education for technical and engineering disciplines. The projects aim to improve the existing mathematics curricula in Russian, Georgian and Armenian universities by introducing modern technology-enhanced learning (TEL) methods and tools, as well as by shifting the focus of engineering mathematics education from a purely theoretical tradition to a more applied paradigm. MetaMath and MathGeAr have brought together mathematics educators, TEL specialists and experts in education quality assurance from 21 organizations across six countries. The results of a comprehensive comparative analysis of the entire spectrum of mathematics courses in the EU, Russia, Georgia and Armenia has been conducted, have allowed the consortium to pinpoint and introduce several modifications to their curricula while preserving the generally strong state of university mathematics education in these countries. The book presents the methodology, procedure and results of this analysis. This book is a valuable resource for teachers, especially those teaching mathematics, and curriculum planners for engineers, as well as for a general audience interested in scientific and technical higher education.