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Higher Engineering Mathematics Higher Engineering Mathematics 40th Edition Numerical Methods in Engineering & Science Computer Vision and Information Technology K.D. Malaviya and the Evolution of India's Oil Policy Numerical Methods in Engineering and Science Rhinology and Facial Plastic Surgery Narrating South Asian Partition Basic Engineering Mathematics Science and Technology of Fruit Wine Production Hindustanee Student Underutilized and Underexploited Horticultural Crops Elementary Engineering Mathematics Moments Of Maximum Danger Mathematics for Machine Learning Computer Networks and Inventive Communication Technologies Transactions on Computational Science XXVI Nano-scale CMOS Analog Circuits supplement to the book of abstracts and author index the genetics and exploitation of heterosis in crops Recent Trends in Horticulture in the Himalayas The Mughals and the Jogs of Jakhbar Advanced Engineering Mathematics, 22e Differential Calculus The Community Budget for an Economic and Monetary Union Biofuels Production and Processing Technology History and Political Economy From Child Welfare to Child Well-Being The Oxford Handbook of Urban Politics Advances in Structural Engineering Managing Metabolic Abnormalities in the Psychiatrically Ill Consolidation Policies in Federal States Fiscal Performance, Institutional Design and Decentralization in European Union Countries Biotechnology for Zero Waste Design and Implementation of Combinatorial Testing based Test Suites for Operating Systems used for Internet of Things Debt and Entanglements Between the Wars Linear and Non-Linear System Theory The Reality of Budgetary Reform in OECD Nations Fiscal Tiers (Routledge Revivals) Proceedings of First International Conference on Computational Electronics for Wireless Communications Federalism in a Changing World

The Global Financial Crisis has led to a renewed attention for the management of public debt and deficits of advanced and developing industrial states. To successfully deal with such problems of public finances raises particular concerns in federal states where fiscal competencies are split between two levels of government. This book offers comparative in-depth knowledge of political struggles related to fiscal consolidation policies in eleven federal states since the 1990s, including the Global Financial Crisis and its aftermath. It identifies conditions that lead to "robust" solutions that can both commit federal actors to prudent fiscal policy-making and avoid conflicts between federal actors that cause federal instability. This text will be of key interest to scholars and students of political economy and comparative politics in general and comparative federalism and EU Politics in particular. World War I created a set of forces that affected the political arrangements and economies of all the countries involved. This period in global economic history between World War I and II offers rich material for studying international monetary and sovereign debt policies. Debt and Entanglements between the Wars focuses on the experiences of the United States, United Kingdom, four countries in the British Commonwealth (Australia, New Zealand, Canada, Newfoundland), France, Italy, Germany, and Japan, offering unique insights into how political and economic interests influenced alliances, defaults, and the unwinding of debts. The narratives presented show how the absence of effective international collaboration and resolution mechanisms inflicted damage on the global economy, with disastrous consequences. The fundamental mathematical tools needed to understand machine learning include linear algebra, analytic geometry, matrix decompositions, vector calculus, optimization, probability and statistics. These topics are traditionally taught in disparate courses, making it hard for data science or computer science students, or professionals, to efficiently learn the mathematics. This self-contained textbook bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these derivations provide a starting point to machine learning texts. For those learning the mathematics for the first time, the methods help build intuition and practical experience with applying mathematical concepts. Every chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site. Science and Technology of Fruit Wine Production includes introductory chapters on the production of wine from fruits other than grapes, including their composition, chemistry, role, quality of raw material, medicinal values, quality factors, bioreactor technology, production, optimization, standardization, preservation, and evaluation of different wines, specialty wines, and brandies. Wine and its related products have been consumed since ancient times, not only for stimulatory and healthful properties, but also as an important adjunct to the human diet by increasing satisfaction and contributing to the relaxation necessary for proper digestion and absorption of food. Most wines are produced from grapes throughout the world, however, fruits other than grapes, including apple, plum, peach, pear, berries, cherries, currants, apricot, and many others can also be profitably utilized in the production of wines. The major problems in wine production, however, arise from the difficulty in extracting the sugar from the pulp of some of the fruits, or finding that the juices obtained lack in the requisite sugar contents, have higher acidity, more anthocyanins, or have poor fermentability. The book demonstrates that the application of enzymes in juice extraction, bioreactor technology, and biological de-acidification (MLF bacteria, or de-acidifying yeast like *Schizosaccharomyces pombe*, and others) in wine production from non-grape fruits needs serious consideration. Focuses on producing non-grape wines, highlighting their flavor, taste, and other quality attributes, including their antioxidant properties Provides a single-volume resource that consolidates the research findings and developed technology employed to make wines from non-grape fruits Explores options for reducing post-harvest losses, which are especially high in developing countries Stimulates research and development efforts in non-grape wines The Reality of Budgetary Reform in OECD Nations investigates the impacts and consequences of budgetary reform through a comparative assessment of advanced Organisation for Economic Co-operation and Development (OECD) democracies that have undertaken budget reforms over the past two to three decades. This unique book traces the story of reform in the respective countries. The expert authors explore the journey each country took, what the objectives were, the approach taken, the main events and key dates, what was implemented and what was discarded or replaced. They capture both the essence of

each nation's approach, as well as discuss the similarities and trends. The study investigates how the various roles of the central budget agencies have changed with respect to public expenditure, how budget processes have developed and the impact on the relations between key actors. It also analyses the internal cultures of central budget agencies and how they evaluate events, problems and their roles in controlling the fiscal policy of government. With its comparative focus, this timely book is essential reading for the OECD and World Bank affiliates. Likewise, scholars and researchers of public finance, international and comparative government, and development and public sector management should not be without this important resource. Impressive and authoritative, this essential book brings together a collection of essays in honour of Peter Groenewegen, one of the most distinguished historians of economic thought of a generation. His work on a wide range of economic theorists such as Adam Smith, François Quesnay and Alfred Marshall approaches a level of near insuperability. Spread in 133 articles divided in 20 sections the present treatises broadly discusses: Part 1: Image Processing Part 2: Radar and Satellite Image Processing Part 3: Image Filtering Part 4: Content Based Image Retrieval Part 5: Color Image Processing and Video Processing Part 6: Medical Image Processing Part 7: Biometric Part 8: Network Part 9: Mobile Computing Part 10: Pattern Recognition Part 11: Pattern Classification Part 12: Genetic Algorithm Part 13: Data Warehousing and Mining Part 14: Embedded System Part 15: Wavelet Part 16: Signal Processing Part 17: Neural Network Part 18: Nanotechnology and Quantum Computing Part 19: Image Analysis Part 20: Human Computer Interaction "Advanced Engineering Mathematics" is written for the students of all engineering disciplines. Topics such as Partial Differentiation, Differential Equations, Complex Numbers, Statistics, Probability, Fuzzy Sets and Linear Programming which are an important part of all major universities have been well-explained. Filled with examples and in-text exercises, the book successfully helps the student to practice and retain the understanding of otherwise difficult concepts. This book is for Software Engineering enthusiasts. Regression testers, IoT OS testers and Combinatorial testers can get hint on how to apply Machine learning and Data Science to software testing which are left as an exercise and future work. Maastricht will induce changes to the EC budget the various dimensions of which are explored in this volume. Based on the theory of fiscal federalism the author discusses important aspects of multilayer government finance for existing federations - Australia, Germany, Switzerland and the USA. He sketches the effects of an Economic and Monetary Union (EMU) onto the Community budget, and concludes with a systematic treatment of revenue instruments for its future financing This comprehensive text is an excellent resource for students and practicing engineers. Providing an excellent balance of theoretical and applied topics, it shows the numerical methods used with C, C++, and MATLAB-- First published in 1984. This book brings together and develops the economic theory relating to the design and operation of systems of non-central government — positing major developments in several areas. It considers what functions systems most suitably perform in non-central governments, and their appropriate size and structure. How these authorities might finance themselves — by taxes, charges or loans — is analysed in detail. It also examines the use of grants by higher tiers of government and how such programmes should be designed. Concentrating on contemporary economic concerns, it relates the theory to practice in countries such as Australia, Canada, West Germany, the UK and USA. Georg von Bekesey was awarded the Nobel Prize for his seminal everyone all over the world. In other words it is directed toward work on hearing. It was, however, 43 years later in 2004 that evolving a common scientific language that is spoken uniformly Linda Buck and Richard Axel were awarded the Nobel Prize for and consistently all over the world. Universality, so that norms, their work on olfaction. Tis is indicative of how the science of staging systems, etc., can be applied anywhere in the world with rhinology is only now coming into its own. For quite some time, equal validity. Tis can only be achieved through consensus. rhinology was thought to be limited in scope. It is now appreci- Tis book contains not only the genesis and pathogenesis of ated that the nose is not only an organ of aesthetic appeal, but rhinologic disease, but also what all surgeons want and that is one that carries out several important, complex functions. Te operative steps to bring about successful resolution of disease, tremendous surge in medical literature in recent times bears with the return of normal function. The history of the 1947 Indian/Pakistani partition is one of separation: a country and people newly divided. However, in telling this story, Anindya Raychaudhuri, the son of a partition participant, looks to unity, joining for the first time the public and private memory narratives of this pivotal moment in time. Narrating Partition features in-depth interviews with more than 120 individuals across India, Pakistan, Bangladesh, and the United Kingdom, each reflecting on a direct or inherited experience of the 1947 Indian/Pakistani partition. Through the collection of these oral history narratives, Raychaudhuri is able to place them into comparison with the literary, cinematic, and artistic representations of partition, and in doing so, examine the ways this event is remembered, re-interpreted, and reconstructed--and the narrator's role in this process. These stories also reflect on the themes of home, family, violence, childhood, trains, and rivers within these public and private narratives. Crucially, Raychaudhuri is the first writer to use oral history in addressing the Bengal/Punjab partition as part of this same event, examining the memorial legacy in both the Bengali and Punjabi communities. This, the 26th issue of the Transactions on Computational Science journal, is comprised of ten extended versions of selected papers from the International Conference on Cyberworlds 2014, held in Santander, Spain, in June 2014. The topics covered include areas of virtual reality, games, social networks, haptic modeling, cybersecurity, and applications in education and arts. Linear and Non-Linear System Theory focuses on the basics of linear and non-linear systems, optimal control and optimal estimation with an objective to understand the basics of state space approach linear and non-linear systems and its analysis thereof. Divided into eight chapters, materials cover an introduction to the advanced topics in the field of linear and non-linear systems, optimal control and estimation supported by mathematical tools, detailed case studies and numerical and exercise problems. This book is aimed at senior undergraduate and graduate students in electrical, instrumentation, electronics, chemical, control engineering and other allied branches of engineering. Features Covers both linear and non-linear system theory Explores state feedback control and state estimator concepts Discusses non-linear systems and phase plane analysis Includes non-linear system stability and bifurcation behaviour Elaborates optimal control and estimation Biotechnology for Zero Waste The use of biotechnology to minimize waste and maximize resource valorization In Biotechnology for Zero Waste: Emerging Waste Management Techniques, accomplished environmental researchers Drs. Chaudhery Mustansar Hussain and Ravi Kumar Kadeppagari deliver a robust exploration of the role of biotechnology in reducing waste and creating a zero-waste environment. The editors provide resources covering perspectives in waste management like anaerobic co-digestion, integrated biosystems, immobilized enzymes, zero waste biorefineries, microbial fuel cell technology, membrane bioreactors, nano biomaterials, and more. Ideal for sustainability professionals, this book comprehensively sums up the state-of-the-art biotechnologies powering the latest advances in zero-waste strategies. The renowned contributors address topics like bioconversion and biotransformation and detail the concept of the circular economy. Biotechnology for Zero Waste

effectively guides readers on the path to creating sustainable products from waste. The book also includes: A thorough introduction to modern perspectives on zero waste drives, including anaerobic co-digestion as a smart approach for enhancing biogas production Comprehensive explorations of bioremediation for zero waste, biological degradation systems, and bioleaching and biosorption of waste Practical discussions of bioreactors for zero waste and waste2energy with biotechnology An in-depth examination of emerging technologies, including nanobiotechnology for zero waste and the economics and commercialization of zero waste biotechnologies Perfect for process engineers, natural products, environmental, soil, and inorganic chemists, *Biotechnology for Zero Waste: Emerging Waste Management Techniques* will also earn a place in the libraries of food technologists, biotechnologists, agricultural scientists, and microbiologists. Contributed articles; with reference to India. The *Oxford Handbook of Urban Politics* is an authoritative volume on an established subject in political science and the academy more generally: urban politics and urban studies. The editors are all recognized experts, and are well connected to the leading scholars in urban politics. The handbook covers the major themes that animate the subfield: the politics of space and place; power and governance; urban policy; urban social organization; citizenship and democratic governance; representation and institutions; approaches and methodology; and the future of urban politics. Given the caliber of the editors and proposed contributors, the volume sets the intellectual agenda for years to come. Reliability concerns and the limitations of process technology can sometimes restrict the innovation process involved in designing nano-scale analog circuits. The success of nano-scale analog circuit design requires repeat experimentation, correct analysis of the device physics, process technology, and adequate use of the knowledge database. Starting with the basics, *Nano-Scale CMOS Analog Circuits: Models and CAD Techniques for High-Level Design* introduces the essential fundamental concepts for designing analog circuits with optimal performances. This book explains the links between the physics and technology of scaled MOS transistors and the design and simulation of nano-scale analog circuits. It also explores the development of structured computer-aided design (CAD) techniques for architecture-level and circuit-level design of analog circuits. The book outlines the general trends of technology scaling with respect to device geometry, process parameters, and supply voltage. It describes models and optimization techniques, as well as the compact modeling of scaled MOS transistors for VLSI circuit simulation. • Includes two learning-based methods: the artificial neural network (ANN) and the least-squares support vector machine (LS-SVM) method • Provides case studies demonstrating the practical use of these two methods • Explores circuit sizing and specification translation tasks • Introduces the particle swarm optimization technique and provides examples of sizing analog circuits • Discusses the advanced effects of scaled MOS transistors like narrow width effects, and vertical and lateral channel engineering *Nano-Scale CMOS Analog Circuits: Models and CAD Techniques for High-Level Design* describes the models and CAD techniques, explores the physics of MOS transistors, and considers the design challenges involving statistical variations of process technology parameters and reliability constraints related to circuit design. *Federalism in a Changing World* contains the scientific background papers, proceedings, and plenary speeches presented at the International Conference on Federalism 2002 held in St Gallen, Switzerland, in August 2002. The three principal topics of the conference were federalism and foreign relations; federalism, decentralization and conflict management in multicultural societies; and assignment of responsibilities and fiscal federalism. The volume comprises texts by more than seventy authors from twenty countries throughout the world. Contributors include Dauda Abubakar (University of Maiduguri, Nigeria), José Roberto Afonso (Brazilian Bank of Development, Brazil), Giuliano Amato (vice-president of the European Convention, Italy), Nicholas Aroney (University of Queensland, St Lucia, Australia), Lidija Basta-Fleiner (University of Fribourg, Switzerland), Richard Bird (University of Toronto, Canada), Raoul Blindenbacher (executive director, International Conference on Federalism 2002, Switzerland), Jean Chrétien (prime minister of Canada), Richard Crook (University of Sussex, UK), Bernard Dafflon (University of Fribourg, Switzerland), Joseph Deiss (head of the Federal Department of Foreign Affairs, Switzerland), Udo Diedrichs (University of Cologne, Germany), Bernhard Ehrenzeller Bernhard (University of St. Gallen, Switzerland), Lars Feld (University of Marburg, Germany), George Fernandes (minister of Defence of the Republic of India), Sergio Ferreira (Brazilian Bank of Development, Brazil), Thomas Fleiner (University of Fribourg, Switzerland), Xóchitl Gálvez (Presidential Office for Indigenous People, United Mexican States), Beat Habegger (University of St Gallen, Switzerland), Nicholas R.L. Haysom (Wits University and former legal advisor to the President, South Africa), William John Hopkins (University of Hull, UK), Rudolf Hrbek (University of Tübingen, Germany), Thomas O. Hueglin (Wilfrid Laurier University, Waterloo, Canada), Claude Jeanrenaud (University of Neuchatel, Switzerland), Isabelle Joumard (Economics Department of the OECD, France), Wlaler Kälin (University of Berne, Switzerland), Jakob Kellenberger (former secretary of state of the Federal Department of Foreign Affairs, Switzerland), Michael J. Kelly (Military Law Centre Department of Defence of Australia, Australia), Rahmatullah Kahn (Raoul Wallenberg Institute, Lund, Sweden/India), John Kincaid (Lafayette College, USA), Gebhard Kirchgässner (University of St Gallen, Switzerland), Arnold Koller (former president of the Swiss Confederation), Vojislav Kostunica (president of the Federal Republic of Yugoslavia), Yves Lejeune (Catholic University of Louvain, Belgium), Wolf Linder (University of Berne, Switzerland), Giorgio Malinverni (University of Geneva, Switzerland), Tim McCormack (University of Melbourne, Australia), Ruth Metzler-Arnold (Federal Department of Justice and Police, Switzerland), Flora Musonda (Economic and Social Research Foundation, Tanzania), Radmila Nakarada (Institute of European Studies, Belgrade, Yugoslavia), Wallace Oates (University of Maryland, College Park, USA), Luigi Pedrazzini (Conference of Cantonal Governments, Switzerland), Martin Polaschek (University of Graz, Austria), Bob Rae (Forum of Federations, Canada), Johannes Rau (President of the Federal Republic of Germany), Ash Narain Roy (Institute of Social Sciences, New Delhi, India), Nafis Sadik (special advisor to the United Nations Secretary General and former UNFPA executive director, Pakistan), Cheryl Saunders (University of Melbourne, Australia), Antonin Scalia (associate justice of the Supreme Court of the United States of America), Benjamin Schindler (Federal Office of Justice, Switzerland), Nicolas Schmitt (University of Fribourg, Switzerland), Wolfgang Schüssel (chancellor of the Republic of Austria), Anwar Shah (lead economist of the World Bank, USA/Pakistan), Daniel Thürer (University of Zürich, Switzerland), Touré Toumani (president of the Republic of Mali), François Vaillancourt (University of Montreal, Canada), Ricardo Varsano (Institute for Applied Economic Research, Rio de Janeiro, Brazil), Guy Verhofstadt (prime minister of the Kingdom of Belgium), Jürgen von Hagen (University of Bonn, Germany), Ronald Watts (Queen's University Kingston, Canada), Joseph H.H. Weiler (New York University School of Law, USA), and Wolfgang Wessels (University of Cologne, Germany). This book is a collection of peer-reviewed best selected research papers presented at 5th International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT 2022). The book covers new results in theory, methodology, and applications of computer networks and data communications. It includes original papers on

computer networks, network protocols and wireless networks, data communication technologies, and network security. The proceedings of this conference is a valuable resource, dealing with both the important core and the specialized issues in the areas of next generation wireless network design, control, and management, as well as in the areas of protection, assurance, and trust in information security practice. It is a reference for researchers, instructors, students, scientists, engineers, managers, and industry practitioners for advance work in the area. Now in its seventh edition, Basic Engineering Mathematics is an established textbook that has helped thousands of students to succeed in their exams. Mathematical theories are explained in a straightforward manner, being supported by practical engineering examples and applications in order to ensure that readers can relate theory to practice. The extensive and thorough topic coverage makes this an ideal text for introductory level engineering courses. This title is supported by a companion website with resources for both students and lecturers, including lists of essential formulae, multiple choice tests, and full solutions for all 1,600 further questions. The importance of biofuels in greening the transport sector in the future is unquestionable, given the limited available fossil energy resources, the environmental issues associated to the utilization of fossil fuels, and the increasing attention to security of supply. This comprehensive reference presents the latest technology in all aspects of biofuels production, processing, properties, raw materials, and related economic and environmental aspects. Presenting the application of methods and technology with minimum math and theory, it compiles a wide range of topics not usually covered in one single book. It discusses development of new catalysts, reactors, controllers, simulators, online analyzers, and waste minimization as well as design and operational aspects of processing units and financial and economic aspects. The book rounds out by describing properties, specifications, and quality of various biofuel products and new advances and trends towards future technology. This paper analyzes the impact of decentralization on overall fiscal performance in the European Union, taking into account fiscal institutional arrangements. We find that spending decentralization has been associated with sizably better fiscal performance, especially when transfer dependency of subnational governments is low. However, subnational fiscal rules do not seem to be associated with better performance. The present book is the second volume in the series Underutilized and Underexploited Horticultural Crops edited by Prof. K.V.Peter. As in the 1st volume the present volume also covers 6 chapters on underexploited fruits, 5 on vegetables, 1 on tuber crops, 3 each on flowers and trees and 2 on spices. Dr. Bhuwon Sthapit, IPGRI, Malaysia contributes a chapter on In Situ Conservation of Horticultural Crops. Underutilized fruits of Andaman and Nicobar Islands are dealt with in detail by Dr. D.R. Singh, Giant Granadilla, Apricot, Low Chilling Peaches, Aonla and Ber are dealt by eminent scientists in respective crops. Dr. Umesh Srivastava, ICAR, New Delhi deals Genetic Resource Management in Cucurbits. Dr. Samadia from Central Institute of Arid Horticulture, Bikaner writes on Arid Vegetables. Dr. S.K. Pandey, Director, CPRI, Shimla elaborates Taxonomy of Temperate Underutilized Root and Tuber Crops. Underutilized flowers surrounding the homesteads are narrated by Dr. U. Sreelatha, Kerala Agricultural University. An overview on Liliiums is given by Dr. K. Valliappan, Mahua, Chironji and Drumstick are the trees dealt with. Turmeric and Long Coriander are elucidated by Dr. A.M. Rao and Dr. P. Indira respectively. Patients with mental and substance use disorders have shown higher rates of morbidity and mortality from medical illnesses than the general population, and physicians are also increasingly aware of adverse effects of psychiatric medications on metabolic and cardiovascular health. In light of these problems, this book addresses an important unmet need of patients with mental disorders -- namely, the lack of integration of general medical care with psychiatric care and the related problem of barriers to collaboration and communication among health care providers. Managing Metabolic Abnormalities in the Psychiatrically Ill is the first book to provide a current review of the relationships among psychiatric illnesses, metabolic abnormalities, and treatment, focusing on how clinicians can tailor care to those doubly-afflicted patients. The book integrates research findings into practical clinical guidelines that spell out what psychiatrists need to know when their patients with mental illness suffer from -- or are at risk of developing -- obesity, diabetes, cardiovascular disease, or the metabolic syndrome. The contributors address those risks that need to be considered in the overall context of treatment, background risks of medical illnesses associated with specific psychiatric disorders themselves, and the means of applying these data to treatment recommendations, monitoring, and clinical practice. Among the specific topics addressed are: Potential effects of psychotropics on appetite, body weight, and metabolic parameters in obese patients, and the potential effects of anti-obesity agents on psychotic, manic, and depressive syndromes Increased risk of type 2 diabetes among individuals with psychotic and mood disorders due to neurobiological changes and behavioral effects associated with these disorders Greater risk for cardiovascular disease among the mentally ill, stressing the importance of mental health providers understanding cardiovascular risk classification and modification strategies An association between dysregulation of glucose and lipid metabolism and the related risk of type 2 diabetes during treatment with any of the eight second-generation antipsychotics currently available in the United States Guidance in choice of medications and appropriate monitoring strategies for hyperlipidemia, along with recognition of which antipsychotics pose the greatest risk and an understanding of the common dyslipidemia patterns seen with their use Chapters include key clinical concepts, quick-reference tables, and extensive references, and a final chapter provides an assessment tool for evaluating patients' metabolic risk. Together, the chapters in this book constitute an authoritative clinical guide that enables psychiatrists to better integrate the treatment of patients' mental disorders with their metabolic conditions. This textbook commences with a brief outline of development of real numbers, their expression as infinite decimals and their representation by points along a line. While the first part of the textbook is analytical, the latter part deals with the geometrical applications of the subject. Numerous examples and exercises have been provided to support student's understanding. This textbook has been designed to meet the requirements of undergraduate students of BA and BSc courses. This chapter provides a brief overview of the book highlighting the modest progress from child welfare to child well-being reflected in these chapters, and the parallel movement in Kahn's career and research, as his scholarship developed over the years. It then moves to explore the relationship between two overarching themes, child and family policy stressing a universal approach to children and social protection stressing a more targeted approach to disadvantaged and vulnerable individuals including children and the complementarity of these strategies. Introduction To a large extent Alfred J. Kahn was at the forefront of the developments in the field of child welfare services (protective services, foster care, adoption, and family preservation and support). Over time his scholarship moved to a focus on the broader policy domain of child and family policy and the outcomes for child wellbeing. His work, as is true for this volume, progressed from a focus on poor, disadvantaged and vulnerable children to a focus on all children. He was convinced that children, by definition, are a vulnerable population group and that targeting all children, employing a universal policy as a strategy would do more for poor children than a narrowly focused policy targeted on poor children alone, As we first argued more than three decades ago (Not for the Poor Alone; "Universalism and Income Testing in Family

Policy”), one could target the most disadvantaged within a universal framework, and this would lead to more successful results than targeting only the poor. This book includes high-quality papers presented at Proceedings of First International Conference on Computational Electronics for Wireless Communications (ICWC 2021), held at National Institute of Technology, Kurukshetra, Haryana, India, during June 11–12, 2021. The book presents original research work of academics and industry professionals to exchange their knowledge of the state-of-the-art research and development in computational electronics with an emphasis on wireless communications. The topics covered in the book are radio frequency and microwave, signal processing, microelectronics and wireless networks. "In every person's life, there are a few moments, when one thinks it is the end of life and there is no hope. For some that is the end but in many cases, people miraculously escape the inevitable. They survive to describe those moments of peril to others. The personnel of the Armed Forces while at war face such moments daily, even several times in a single day, particularly the officers and men in the Infantry battalions. They survive, embracing these moments of deadly danger. When enemy forces attack our country, soldiers want to live another day, not to tell the story to near and dear ones but to fight the enemy yet another day." The book presents research papers presented by academicians, researchers, and practicing structural engineers from India and abroad in the recently held Structural Engineering Convention (SEC) 2014 at Indian Institute of Technology Delhi during 22 – 24 December 2014. The book is divided into three volumes and encompasses multidisciplinary areas within structural engineering, such as earthquake engineering and structural dynamics, structural mechanics, finite element methods, structural vibration control, advanced cementitious and composite materials, bridge engineering, and soil-structure interaction. Advances in Structural Engineering is a useful reference material for structural engineering fraternity including undergraduate and postgraduate students, academicians, researchers and practicing engineers.

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