

Industrial and Applied Mathematics

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Recent Developments in Fixed-Point Theory

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Indra de Soysa



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Recent Developments in the Inverse Galois Problem Jointsummerresearchconf Onrecentdevel

Intheinverse,1995-07-30 This book contains the refereed proceedings of the AMS IMS SIAM Joint Summer Research Conference on Recent Developments in the Inverse Galois Problem held in July 1993 at the University of Washington Seattle A new review of Serre s Topics in Galois Theory serves as a starting point The book describes the latest research on explicit presentation of the absolute Galois group of the rationals Containing the first appearance of generalizations of modular curves the book presents applications that demonstrate the full scope of the Inverse Galois Problem In particular the papers collected here show the ubiquity of the applications of the Inverse Galois Problem and its compelling significance The book will serve as a guide to progress on the Inverse Galois Problem and as an aid in using this work in other areas of mathematics This includes coding theory and other finite field applications Group theory and a first course in algebraic curves are sufficient for understanding many papers in the volume Graduate students will find this an excellent reference to current research as it contains a list of problems appropriate for thesis material in arithmetic geometry algebraic number theory and group theory

Recent Development in Theories & Numerics Yiu-Chung Hon,2003 Annotation Proceedings from the

First International Conference on Inverse Problems Recent Theoretical Development and Numerical Approaches held at the City University of Hong Kong from January 9 12 2002

Recent Developments in Criminological Theory Scott A.

Lukas,2017-07-05 This volume contains recent and cutting edge articles from leading criminological theorists The book is organized into ten sections each representing the latest in the multi disciplinary orientations representing a cross section of contemporary criminological theory These sections include 1 Classical and Rational Choice 2 Biological and Biosocial 3 Psychological 4 Social Learning and Neutralization 5 Social Control 6 Social Ecology Sub cultural and Cultural 7 Anomie and Strain 8 Conflict and Radical 9 Feminist and Gender 10 Critical Criminologies Anarchist Postmodernist Peacemaking The articles were selected based on their contributions to advancing the field including ways in which the authors of each chapter understand the current theoretical tendencies of their respective approaches and how they envision the future of their theories Because of this the articles focus on theory rather than empirical research Of particular note is the tendency toward integration of different perspectives as described by editors Henry and Lukas in their original introduction to this volume

Exploration in Development Issues Nurul Islam,2017-11-30 This title was first published in 2003 Nurul Islam

currently head of economic and social policy at the FAO UN and a key advisor at the International Food Policy Research Institute has been a renowned expert on economic development for the past thirty years Over that time he has researched and written about a wide range of economic development issues focussing mainly on policy For the first time ever his most important writings have been brought together in this volume reflecting not only Professor Islam s own views on particular issues but also providing a unique overview of the key debates and discussions taking place among academic economist and

policy analysts over the past three decades The collection is divided into three main sections trade and aid development strategy and food security the section on food security being the most recent It discusses food security in a broad sense covering issues of availability and growth in food production access or entitlement of individuals or households to basic food and variability in food supplies and prices In the section on Development Strategy Professor Islam highlights how theoretical argument has veered away from organized development planning models which proved so important in the 1960s He questions the role of models and policies throughout the decades and following articles written in the 1970s or 80s he includes articles he has recently completed assessing the previous ones from his current perspective In the final section on Trade and Aid he follows the academic debate on trade and exchange rate policies in developing countries from the 1960s to the progress of the WTO forums of today This is a wide ranging and thought provoking volume No matter whether the subject in question was examined in the 1960s or currently Professor Islam provides a challenging and insightful analysis and even the earliest articles retain relevance and will be of continuing interest

Foreign Direct Investment, Democracy and Development Indra de Soysa, 2003-05 Using quantitative data this book addresses internationalisation by focussing on the impact of Foreign Direct Investment and democracy on economic development and the effects of economic internationalisation on democracy

Water power engineering, the theory, investigation and development Daniel Webster Mead, 1915

New Developments in Productivity Analysis Charles R. Hulten, Edwin R. Dean, Michael Harper, 2007-11-01 The productivity slowdown of the 1970s and 1980s and the resumption of productivity growth in the 1990s have provoked controversy among policymakers and researchers Economists have been forced to reexamine fundamental questions of measurement technique Some researchers argue that econometric approaches to productivity measurement usefully address shortcomings of the dominant index number techniques while others maintain that current productivity statistics underreport damage to the environment In this book the contributors propose innovative approaches to these issues The result is a state of the art exposition of contemporary productivity analysis Charles R Hulten is professor of economics at the University of Maryland He has been a senior research associate at the Urban Institute and is chair of the Conference on Research in Income and Wealth of the National Bureau of Economic Research Michael Harper is chief of the Division of Productivity Research at the Bureau of Labor Statistics Edwin R Dean formerly associate commissioner for Productivity and Technology at the Bureau of Labor Statistics is adjunct professor of economics at The George Washington University

Infrastructure Investments in Developing Economies Giang Dang, Low Sui Pheng, 2014-10-18 This book aims to provide knowledge on how infrastructure is planned and built in a typical developing country and what key variables are there in the system limiting the efficient use of public investments in infrastructure The book begins with a comprehensive literature review on construction and economic development and trade and economic development The focus of the book is on the case of Vietnam with lessons drawn for other developing economies The book employs the mixed use of data to provide a stronger

basis for analysis and interpretation of related government policies Based on the research findings the book recommends significant capacity building work for Vietnam to develop capacities that would remove constraints on the efficient use of public investments in infrastructure The general principles of significant capacity building work which are useful for policy implications are introduced in the book Analysts academics public and private communities in developing countries can adopt the research findings as guiding principles to bring about changes in their current use of public investments in infrastructure thus supporting their trade and economic growth in the long term

New Analytic and Geometric Methods in Inverse Problems Kenrick Bingham,Yaroslav V. Kurylev,E. Somersalo,2003-11-05 In inverse problems the aim is to obtain via a mathematical model information on quantities that are not directly observable but rather depend on other observable quantities Inverse problems are encountered in such diverse areas of application as medical imaging remote sensing material testing geosciences and financing It has become evident that new ideas coming from differential geometry and modern analysis are needed to tackle even some of the most classical inverse problems This book contains a collection of presentations written by leading specialists aiming to give the reader up to date tools for understanding the current developments in the field

International Direct Investment ,1988 **The Linear Sampling Method in Inverse Electromagnetic Scattering** Fioralba Cakoni,David Colton,Peter Monk,2011-01-01 The linear sampling method is the oldest and most developed of the qualitative methods in inverse scattering theory It is based on solving a linear integral equation and then using the equation s solution as an indicator function for the determination of the support of the scattering object This book describes the linear sampling method for a variety of electromagnetic scattering problems It presents uniqueness theorems and the derivation of various inequalities on the material properties of the scattering object from a knowledge of the far field pattern of the scattered wave

Complex Systems in Biomedicine A. Quarteroni,L. Formaggia,A. Veneziani,2007-03-20 Mathematical modeling of human physiopathology is a tremendously ambitious task It encompasses the modeling of most diverse compartments such as the cardiovascular respiratory skeletal and nervous systems as well as the mechanical and biochemical interaction between blood flow and arterial walls and electrocardiac processes and electric conduction in biological tissues Mathematical models can be set up to simulate both vasculogenesis the aggregation and organization of endothelial cells dispersed in a given environment and angiogenesis the formation of new vessels sprouting from an existing vessel that are relevant to the formation of vascular networks and in particular to the description of tumor growth The integration of models aimed at simulating the cooperation and interrelation of different systems is an even more difficult task It calls for the setting up of for instance interaction models for the integrated cardiovascular system and the interplay between the central circulation and peripheral compartments models for the mid to long range cardiovascular adjustments to pathological conditions e.g. to account for surgical interventions congenital malformations or tumor growth models for integration among circulation tissue perfusion biochemical and thermal regulation models for

parameter identification and sensitivity analysis to parameter changes or data uncertainty and many others

Investment and Agricultural Development in Developing Countries Cuong Tat Do, 2015-12-03 The standard policy prescription to enhance the productivity of agriculture in a developing country like Vietnam is first to encourage the investment of farmers in their human and social capital and then to change the governmental institutions to facilitate the farmers investment This book therefore analyzes the investment of farmers in their health education and social relationships in the context of Vietnams recent agrarian transition Using the tools of regression analysis the author has tried to measure the rate of return of investment in health education and social relationship of farmers on their income Additionally to measure the effect of local government policy on the performance of agricultural firms at the provincial level the book applies current techniques to estimate the relationship between output of agricultural firms and performance of local government As in other low developed countries the rate of return of investment in education is quite extreme and the rate of investment in health is small The effect of investment in social capital of farmers on their income is quite complex due to the complication of the term social capital Moreover the effect of quality of local institutions on performance of agricultural firms at the provincial level is not quite statistically significant The relationship is similar with other research findings worldwide when researchers want to measure the effect of quality of institution on the performance of firms *Recent Trends in Institutional Real Estate Investment* R. Bruce Ricks, 1964

Optimization and Regularization for Computational Inverse Problems and Applications Yanfei Wang, Anatoly G. Yagola, Changchun Yang, 2011-06-29 Optimization and Regularization for Computational Inverse Problems and Applications focuses on advances in inversion theory and recent developments with practical applications particularly emphasizing the combination of optimization and regularization for solving inverse problems This book covers both the methods including standard regularization theory Fejer processes for linear and nonlinear problems the balancing principle extrapolated regularization nonstandard regularization nonlinear gradient method the nonmonotone gradient method subspace method and Lie group method and the practical applications such as the reconstruction problem for inverse scattering molecular spectra data processing quantitative remote sensing inversion seismic inversion using the Lie group method and the gravitational lensing problem Scientists researchers and engineers as well as graduate students engaged in applied mathematics engineering geophysics medical science image processing remote sensing and atmospheric science will benefit from this book Dr Yanfei Wang is a Professor at the Institute of Geology and Geophysics Chinese Academy of Sciences China Dr Sc Anatoly G Yagola is a Professor and Assistant Dean of the Physical Faculty Lomonosov Moscow State University Russia Dr Changchun Yang is a Professor and Vice Director of the Institute of Geology and Geophysics Chinese Academy of Sciences China

Recent Developments in Individual and Organizational Adoption of ICTs Yildiz, Orkun, 2020-08-28 In recent years information and communication technologies ICTs have gained significant importance and become vital to the operations of both organizations and individuals However there are numerous

factors that have affected the adoption of ICTs including access and accessibility barriers political participation and social empowerment This has attracted the attention of researchers who are interested in understanding the socioeconomic influences of ICT adoption and how these technologies impact the infrastructure of modern organizational activities Recent Developments in Individual and Organizational Adoption of ICTs is a collection of innovative research on the methods of organizational and infrastructural advancement through the application of information and communication technologies While highlighting topics including internet banking supply chain management and e government services this book is ideally designed for managers researchers policymakers politicians business practitioners educators decision scientists strategists and students seeking current research on the socioeconomic impact of ICT adoption **Adolescents in a changing world** World Health Organization,2024-05-28 This is the full global report to undergo WHO editing and be submitted for clearance

Regional Development: Theory and Practice Baleshwar Thakur,H.S. Sharma,Suresh Misra,S. Chattopadhyay,Surendra Singh,2017-01-01 The Five Volume Series on Regional Development Theory and Practice is a festschrift dedicated to Professor R P Misra a distinguished scholar widely recognized as one of the pioneers who initiated and promoted Regional Planning studies in India This five volume series with over one hundred research papers on different aspects of regional development is a fitting tribute to the scholar who spent much of his life time thinking researching and writing about development in general and regional development in particular These five volumes each dealing with a specific aspect of regional development Vol 1 Concept of Regional Development Vol 2 Measuring Development Vol 3 Development Patterns and Structures Vol 4 Development Policies and Vol 5 Development Challenges Each of the five volumes begins with an introduction which is unique in the sense that this is not merely an introduction to the contributions contained in the volume but also talks of the theory of regional development contemporary development in the discipline and the contrarian views expressed by various academics and policy makers Another significant aspect of these introductions is the global view and a comparative scenario of the developed developing and under developed economies of the world that the editors have kept in view in a debate seeking an universal theory of regional development Regions are specifics and often unique and regional development implies focusing on the assets of the territory its potential and constraints **The New Palgrave Dictionary of Economics** ,2016-05-18 The award winning The New Palgrave Dictionary of Economics 2nd edition is now available as a dynamic online resource Consisting of over 1 900 articles written by leading figures in the field including Nobel prize winners this is the definitive scholarly reference work for a new generation of economists Regularly updated This product is a subscription based product **Introduction to Development Economics** Subrata Ghatak,1995 Analyzes the major economic issues confronting less developed countries

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