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Based on archival sources
that have never been

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examined before, the book discusses the preeminent emigrant mathematicians of the period, including Emmy Noether, John von Neumann, Hermann Weyl, and many others. The author

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explores the mechanisms of
the expulsion of
mathematicians from
Germany, the emigrants'
acculturation to their new
host countries, and the
fates of those

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mathematicians forced to stay behind. The book reveals the alienation and solidarity of the emigrants, and investigates the global development of mathematics

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as a consequence of their
radical migration.

Calendar

Antiquarian Bookman

Mathematics Applied to
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Etc

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Applied Mathematics for
Restructured Electric
Power Systems
Conduction and Induction
Heating

Within the rapidly growing field
of hot sheet metal forming and

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metal bulk forming the demand arises for fully three-dimensionally tailored properties at the microstructural level, nevertheless, reaching a predefined geometry with such tailored properties puts high

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requirements on the control mechanisms utilized in the process chain for combined heating, metal forming, and cooling processes. Therefore, the underlying control architecture needs to be freely configurable

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with respect to a predefined database being extendible to new geometries, microstructural distributions, and materials. The combined control of locally and temporally differential thermo-mechanical effects during the

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process flow needs to be based on an adaptive algorithm adjusting the process flow in real-time according to predefined parameters delivered by the aforementioned material, geometry, and microstructure

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property database. The interplay between measurement techniques and adaptive control processes for hot metal forming of functionally graded materials is to be investigated in order to achieve the predefined fully

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three-dimensional
microstructure in complex
geometries and optimize the
process cycle time in a freely
configurable control architecture
being customizable to new
requirements and materials,

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resulting in a precision manufacturing process. The emphasis within the given thesis will be on adaptive control strategies embedded within a flexible control architecture for an innovative thermo-

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mechanical production process embracing induction heating to predefined spatial and temporal temperature distributions, transfer, and combined metal forming as well as heat extraction processes. The

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flexible control architecture assures an invariant quality for the highly dynamic processes and, moreover, yields extendibility to new materials, geometries, and microstructural distributions.

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Topics in Advanced Mathematics
for Electronics Technology

Subject Index of the Modern
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Individual Fates and Global
Impact

*This work provides access to
approximately 5,000 reviews of
English-language mathematical
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*mathematics, science,
philosophy, and education
appearing in the periodical
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covers materials not reviewed in
Book Review Index and Book
Review Digest. It predates*

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Mathematical Reviews, which first appeared in 1940. Books on all aspects of mathematics are included. There are subject, reviewer, and title indexes. Whitaker's Five-year Cumulative Book List

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*Electrical engineering division.
Part EL.*

*The Technical Gazette of New
South Wales*

*Ten-year Supplement,
1956-1965*

The Specialist Book Trade

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Weekly

Relevant applications to electronics, telecommunications and power systems are included in a comprehensive introduction to the theory of electronic circuits for physical science students.
Introduction to Transients

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Biennial report

The Electrical Review

British Book News

Power System Engineering

Electronics and Instrumentation,
Volume 11: Frequency Modulation
Theory: Application to Microwave

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Links provides information pertinent to the fundamental aspects of microwave beam techniques. This book discusses the development in the application of frequency modulation. Organized into five chapters, this volume begins with an

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overview of the transfer of the radio-frequency energy over a given path. This text then examines all the general problems of frequency modulation, including principle, band covered, distortion, and improvement of the signal-to-noise

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ratio. Other chapters deal with propagation distortion that is apparent in a variable-velocity guided transmission channel. This book discusses as well the complete problem of telephony and television transmission over radio links and

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considers the requisite conditions for meeting the international standards. The final chapter deals with all the applied techniques concerned with radio link equipment that deals with a large number of general problems. This book is a valuable resource for

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students and engineers.

Biennial Report of the Board of
Regents

Subject Index of Modern Books
Acquired 1881/1900-.

An Introduction

Mathematics Applied to Electrical

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Application to Microwave Links
Before Palm Pilots and iPods, PCs
and laptops, the term "computer"
referred to the people who did
scientific calculations by hand.
These workers were neither

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calculating geniuses nor idiot savants but knowledgeable people who, in other circumstances, might have become scientists in their own right. When Computers Were Human represents the first in-depth account of this little-known,

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200-year epoch in the history of science and technology. Beginning with the story of his own grandmother, who was trained as a human computer, David Alan Grier provides a poignant introduction to the wider world of women and men

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who did the hard computational labor of science. His grandmother's casual remark, "I wish I'd used my calculus," hinted at a career deferred and an education forgotten, a secret life unappreciated; like many highly

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educated women of her generation, she studied to become a human computer because nothing else would offer her a place in the scientific world. The book begins with the return of Halley's comet in 1758 and the effort of three French

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astronomers to compute its orbit. It ends four cycles later, with a UNIVAC electronic computer projecting the 1986 orbit. In between, Grier tells us about the surveyors of the French Revolution, describes the calculating machines

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of Charles Babbage, and guides the reader through the Great Depression to marvel at the giant computing room of the Works Progress Administration. When Computers Were Human is the sad but lyrical story of workers who

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gladly did the hard labor of research calculation in the hope that they might be part of the scientific community. In the end, they were rewarded by a new electronic machine that took the place and the name of those who

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were, once, the computers.

General Catalogue of Printed
Books

Mathematics Applied to Electrical
Engineering. (1942) 6th Impr
Optimization, Control, and
Computational Intelligence

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Mathematics applied to electrical engineering

Adaptive Control Strategies for the Production of Thermo-Mechanically Tailored Products

This book offers a theoretical and practical treatment of both conduction

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*and induction heating, comprising
four parts: conduction theory,
induction theory, heat flow, and
practice.*

Electronic Technology

*Mathematicians Fleeing from Nazi
Germany*

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When Computers Were Human
Mathematical Book Review Index,
1800-1940

The Mathematical Gazette
**Applied Mathematics for
Restructured Electric Power
Systems: Optimization, Control,**

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and Computational Intelligence consists of chapters based on work presented at a National Science Foundation workshop organized in November 2003. The theme of the workshop was the use of applied mathematics to solve challenging power system

problems. The areas included control, optimization, and computational intelligence. In addition to the introductory chapter, this book includes 12 chapters written by renowned experts in their respected fields. Each chapter follows a three-part

format: (1) a description of an important power system problem or problems, (2) the current practice and/or particular research approaches, and (3) future research directions. Collectively, the technical areas discussed are voltage and

oscillatory stability, power system security margins, hierarchical and decentralized control, stability monitoring, embedded optimization, neural network control with adaptive critic architecture, control tuning using genetic algorithms, and

***load forecasting and component prediction. This volume is intended for power systems researchers and professionals charged with solving electric and power system problems.
How to Compute Tables for Determining Electrical Resistivity***

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***of Underlying Beds and Their
Application to Geophysical
Problems***

***Electrical Engineering Division
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Eng***

***The Mathematics Teacher
A Cumulative Author List***

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***The National Union Catalog,
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