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**Change
detectives:
stage three -
natural and
processed
materials.
In a clear and**

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**readable style,
Bill Bolton
addresses the
basic
principles of
modern instru-
mentation and
control
systems,
including
examples of
the latest**

**devices,
techniques
and
applications.
Unlike the
majority of
books in this
field, only a
minimal prior
knowledge of
mathematical
methods is**

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assumed. The book focuses on providing a comprehensive introduction to the subject, with Laplace presented in a simple and easily accessible form,

**complimented
by an outline
of the
mathematics
that would be
required to
progress to
more advanced
levels of study.
Taking a
highly
practical**

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**approach, Bill
Bolton
combines
underpinning
theory with
numerous case
studies and
applications
throughout, to
enable the
reader to
apply the**

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**content
directly to real-
world
engineering
contexts.**

**Coverage
includes smart
instrumentatio
n, DAQ,
crucial health
and safety
considerations**

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, and practical issues such as noise reduction, maintenance and testing.

An introduction to PLCs and ladder programming is

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**incorporated
in the text, as
well as new
information
introducing
the various
software
programmes
used for
simulation.
Problems with
a full answer**

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**section are
also included,
to aid the
reader's self-
assessment
and learning,
and a
companion
website (for
lecturers only)
at [http://textbo
oks.elsevier.co](http://textbooks.elsevier.co)**

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**m features an
Instructor's
Manual
including
multiple
choice
questions,
further
assignments
with detailed
solutions, as
well as**

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**additional
teaching
resources. The
overall
approach of
this book
makes it an
ideal text for
all
introductory
level
undergraduate**

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**courses in
control
engineering
and instrumen
tation. It is
fully in line
with latest
syllabus
requirements,
and also
covers, in full,
the**

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**requirements
of the Instrum
entation &
Control
Principles and
Control
Systems &
Automation
units of the
new Higher
National
Engineering**

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**syllabus from
Edexcel. ***

**Assumes
minimal prior
mathematical
knowledge,
creating a
highly
accessible stu
dent-centred
text ***

Problems, case

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studies and applications included throughout, with a full set of answers at the back of the book, to aid student learning, and place theory in real-world

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**engineering
contexts * Free
online lecturer
resources
featuring
supporting
notes, multiple-
choice tests,
lecturer
handouts and
further
assignments**

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Praise for the
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style and
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way that will
be easily
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teachers."

—Behaviour

**UK "This is an
extremely
readable book
on children's
behavior and
the
management
of behavior in
a classroom
and school**

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positive
behavior."**

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updated**

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author draws
on his
extensive
experience as
an educational
consultant and
trainer to help
teachers and
managers
develop a**

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**whole-school
strategy for
dealing with
student
behavior. In a
distinctive
accessible and
entertaining
style, the book
offers
practical
suggestions to**

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**support
teachers as
they face the
pressures of
accountability,
assessment
and rising
concerns
about student
behavior. This
resource
covers:**

Page 23/163

**Positive
discipline and
the
importance of
consistency
Specific skills
in the
language of
discipline,
both verbal
and non-verbal
Techniques for**

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**managing
bullying,
aggression,
rudeness, and
violence
Methods to
use with
behaviorally
disordered
students The
4Rs--rights,
rules, responsi**

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**ibilities, and
routines
Behavioral
consequences
including
'time-out'
Behavior
agreements or
'contracts'
Playground
management
Setting up a**

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**behavior
management
plan and
expressing it
in policy This
book helps
strengthen a
school's
capacity to
work as a
cohesive,
cooperative**

**unit linked
with parents
and the
community to
manage
behavior
successfully.
Annotation A
comprehensive
guide to the
technology
underlying**

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**drives, motors
and control
units, this title
contains a
wealth of
technical
information
for the
practising
drives and
electrical
engineer.**

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**A First Course
Engineering
Science, 6th
ed
Myofascial
Training
Process Safety
Calculations
Concise
Orthopaedic
Notes
XAFS for**

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Everyone

Process Safety
Calculations, Second
Edition remains to
be an essential guide
for students and
practitioners in
process safety
engineering who are
working on
calculating and
predicting risks and

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consequences. The book focuses on calculation procedures based on basic chemistry, thermodynamics, fluid dynamics, conservation equations, kinetics and practical models. It provides helpful calculations

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to demonstrate compliance with regulations and standards, such as Seveso directive(s)/ COMAH, CLP regulation, ATEX directives, PED directives, REACH regulation, OSHA/NIOSH and UK ALARP, along

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with risk and
consequence
assessment,
stoichiometry,
thermodynamics,
stress analysis and
fluid-dynamics. This
fully revised,
updated and
expanded second
edition follows the
same organization as

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the first, including
the original three
main parts,
Fundamentals,
Consequence
Assessment and
Quantitative Risk
Assessment.

However, the latter
part is significantly
expanded, including
an appendix

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consisting of five
fundamental
thematic areas
belonging to the risk
assessment
framework,
including in-depth
calculations
methodologies for
some fundamental
monothematic macro-
areas of process

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safety. Revised,
updated and
expanded new
edition that includes
newly developing
areas of process
safety that are
relevant to QRA
Provides engineering
fundamentals to
enable readers to
properly approach

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the subject of
process safety
Includes a
remarkable and
broad numbers of
calculation
examples, which are
completely resolved
and fully explained
Develops the QRA
subject, consistently
with the

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methodology applied
in the big projects
Two spine-chilling
short stories by
Anthony Horowitz, a
master-storyteller
and the best-selling
author of the Alex
Rider series. Jamie is
pleased with the
camera he finds at a
car boot sale - that is

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until he realises
everything he
photographs breaks .
. . or dies. Henry
soon finds out that
his new computer
has a life of its own -
and it's not afraid to
gamble with people's
lives.

Calculus Wellesley-
Cambridge Press

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This publication presents cleaning and etching solutions, their applications, and results on inorganic materials. It is a comprehensive collection of etching and cleaning solutions in a single source. Chemical

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formulas are presented in one of three standard formats - general, electrolytic or ionized gas formats - to insure inclusion of all necessary operational data as shown in references that accompany each numbered formula.

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The book describes other applications of specific solutions, including their use on other metals or metallic compounds. Physical properties, association of natural and man-made minerals, and materials are shown in relationship to

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crystal structure,
special processing
techniques and solid
state devices and
assemblies
fabricated. This
publication also
presents a number of
organic materials
which are widely
used in handling and
general

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processing...waxes,
plastics, and
lacquers for
example. It is useful
to individuals
involved in study,
development, and
processing of metals
and metallic
compounds. It is
invaluable for
readers from the

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college level to industrial R & D and full-scale device fabrication, testing and sales. Scientific disciplines, work areas and individuals with great interest include: chemistry, physics, metallurgy, geology, solid state, ceramic and glass,

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research libraries,
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with chemical
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inorganic materials,
societies and
schools.

WJEC and Eduqas

GCSE Business

Concrete

Mathematics: A

Foundation for

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Computer Science
CRC Handbook of
Metal Etchants
A Purrfect Match
Algorithms
Illuminated
Liar's Winter
**ARCHIE 3000 is the
complete collection
featuring the classic
series. This is
presented in the new**

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**hoverboards,
intergalactic travel,
alien life and
everyone's favorite
space case, Archie!
Follow the gang as
they encounter
detention robots,
teleporters, wacky
fashion trends and
much more. Will the
teens of the future
get in as much**

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**trouble as the ones
from our time?**

**Most people know
that there are 70
million Baby
Boomers in America
today....but what is
less known is that
there are
approximately 100
million people in
America between the
ages of 16 and 30.**

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This generation has just entered, or will soon be entering the work force. And they have no idea how to invest, save, or handle their money. Young people today come out of school having had little or no formal education on the basics of money management.

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Many have large debts from student loans looming over their heads. And many feel confused and powerless when their pricey educations don't translate into high paying jobs. They feel that their \$30,000-\$40,000 salary is too meager

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to bother with investing, and they constantly fear that there will be "too much month left at the end of their money." Douglas R. Andrew has shown the parents of this generation a different pathway to financial freedom. Now Doug and his

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**sons, Emron and
Aaron - both of
whom are in their
mid-20s - show the
under-30 crowd how
they can break from
traditional 401k
investment plans and
instead can find a
better way by
investing in real
estate, budgeting
effectively, avoiding**

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**unnecessary taxes
and using life
insurance to create
tax-free income.
With the principles
outlined in
Millionaire by
Thirty, recent
graduates will be
earning enough
interest on their
savings to meet their
basic living expenses**

by the time they're 30. And by the time they're 35, their investments will be earning more money than they are, guaranteeing them a happy, wealthy future.

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mechanical,
electrical and**

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comprehensive
exploration of
scientific principles
within engineering
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is a comprehensive
textbook suitable for
all vocational and
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Taking a subject-led**

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approach, the essential scientific principles engineering students need for their studies are topic-by-topic based in presentation. Unlike most of the textbooks available for this subject, Bill Bolton goes beyond the core science to include the

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**mechanical,
electrical and
electronic principles
needed in the
majority of courses.
A concise and
accessible text is
supported by
numerous worked
examples and
problems, with a
complete answer
section at the back of**

the book. Now in its sixth edition, the text has been fully updated in line with the current BTEC National syllabus and will also prove an essential reference for students embarking on Higher National engineering qualifications and

Foundation Degrees.

**Applications of
Piezoelectric Quartz
Crystal**

**Microbalances deals
with the theory,
design, artifacts, and
varied applications
of the piezoelectric
quartz crystal
microbalance.**

**Applications of
microbalances range**

**from thin film
deposition process
control to
simultaneous
measurement of
mass and
temperature,
analytical chemistry,
and space system
contamination
studies. Stress
effects in
microbalances are**

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also considered.

Comprised of 10 chapters, this volume begins with a historical background and overview of applications of piezoelectric quartz crystal microbalances, followed by an analysis of the theory

and practice of microbalances. The role of acoustic impedance in a quartz crystal microbalance and design considerations for a microbalance are given emphasis. Subsequent chapters focus on applications of microbalances in

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**thin film deposition
process control;
simultaneous
measurement of
mass and
temperature; surface
science and
analytical chemistry;
plasma-assisted
etching and space
system
contamination
studies; and aerosol**

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mass measurement.

**This monograph will
be of interest to
students and
practitioners of
physics, chemistry,
and materials
science.**

**Mathematical
Techniques and
Various Applications
Behaviour
Management**

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**Sailing Made Easy
New A-Level Maths
for Edexcel:
Statistics &
Mechanics - Year
1/AS Student Book
(with Online Edn)
Archie 3000
Atomic Layer
Deposition of
Nanostructured
Materials**

With the help of
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*Spectrum Algebra
for grades 6 to 8,
your child develops
problem-solving
math skills they
can build on. This
standards-based
workbook focuses
on middle school
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inequalities,
factors, fractions,
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instructions and
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structure (XAFS) spectroscopy for both novices and seasoned practitioners from a range of disciplines. The text is enhanced with more than 200 figures as well as cartoon characters who offer informative commentary on the

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different approaches used in XAFS spectroscopy. The book covers sample preparation, data reduction, tips and tricks for data collection, fingerprinting, linear combination analysis, principal component analysis, and

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modeling using theoretical standards. It describes both near-edge (XANES) and extended (EXAFS) applications in detail. Examples throughout the text are drawn from diverse areas, including materials science,

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environmental science, structural biology, catalysis, nanoscience, chemistry, art, and archaeology. In addition, five case studies from the literature demonstrate the use of XAFS principles and analysis in practice. The text

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includes derivations and sample calculations to foster a deeper comprehension of the results.

Whether you are encountering this technique for the first time or looking to hone your craft, this innovative and engaging book gives you insight

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on implementing XAFS spectroscopy and interpreting XAFS experiments and results. It helps you understand real-world trade-offs and the reasons behind common rules of thumb.

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*knowledge,
application and
analysis are all
specifically and
carefully devised
throughout this
book.*

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Financial Analysts·

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orientation

*approach is used
instead of a*

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research focus.
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on the practical
uses of
forecasting.· All
data sets used in
this text will be
available on the
Internet.· Coverage
now includes the
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used by managers
in business today.*

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editions as the
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Forecasting , the
third edition of this
authoritative text
has adopted a new
approach-one that
is as new as the
latest trends in the
field: Explaining
the past is not
adequate for*

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predicting the future . In other words, accurate forecasting requires more than just the fitting of models to historical data. Inside, readers will find the latest techniques used by managers in business today, discover the

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importance of forecasting and learn how it's accomplished. And readers will develop the necessary skills to meet the increased demand for thoughtful and realistic forecasts. Intelligent Movement for Mobility,

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Recovery*

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FRCS , EBOT ,

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Horowitz Horror:

Killer Camera

Applications of

Piezoelectric

Quartz Crystal

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Microbalances

Belle Morte

"This book explains how fitness enthusiasts and athletes can mobilize the fascia in order to improve function, flexibility, and performance, and to reduce pain and risk of injury"--

Sailing Made Easy is the first step in a voyage that will last you the rest

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of your life. It is a gift from a group of dedicated sailing professionals who have committed their lives to sharing their art, their skill, and their passion for this wonderful activity. This book, which Sailing Magazine called "best in class" upon its release in 2010, is the most comprehensive

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education and boating safety learn-to-sail guide to date. It is also the official textbook for the ASA Basic Keelboat Standard (ASA 101). Incorporated in the textbook are useful illustrations and exceptional photographs of complex sailing concepts. The text's most distinguishing feature is its user

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friendly "spreads" in which instructional topics are self-contained on opposing pages throughout the book.

There are also chapter end quizzes and a glossary to help those new to sailing to navigate their way through the extensive nautical terminology.

**DISCIPLE IV UNDER
THE TREE OF LIFE** is

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the final study in the four-phase DISCIPLE program and is prepared for those who have completed BECOMING DISCIPLES THROUGH BIBLE STUDY. The study concentrates on the Writings (Old Testament books not in the Torah or the Prophets), the Gospel of John, and Revelation.

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Emphasis on the Psalms as Israel's hymnbook and prayer book leads natural to an emphasis on worship in the study. Present through the entire study is the sense of living toward completion - toward the climax of the message and the promise, extravagantly pictured in Revelation. The image of the tree and the

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color gold emphasize
the prod and promise in
the Scriptures for
**DISCIPLE IV: UNDER
THE TREE OF LIFE.**

The word under in the
title is meant to convey
invitation, welcome,
sheltering, security, and
rest - home at last.

Commitment and Time
Involved 32 week study
Three and one-half to
four hours of

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independent study each week (40 minutes daily for leaders and 30 minutes daily for group members) in preparation for weekly group meetings. Attendance at weekly 2.5 hour meetings. DVD Set Four of the five videos in this set contain video segments of approximately ten minutes each that serve

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as the starting point for discussion in weekly study sessions. The fifth video is the unique component that guides an interactive worship experience of the book of Revelation. Under the Tree of Life Scriptures lend themselves to videos with spoken word, art, dance, music, and drama. Set decorations differs from

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segment to segment depending on the related Scripture and its time period. Set decoration for video segments related to the Writings generally has a Persian theme. Set decoration for the New Testament video segments emphasizes the simpler life of New Testament times.

When a bad day at work

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culminates in losing out on a promotion, Jim Sanders shifts into his animal form to let off steam. Then his bad day turns into a bad night-while prowling his Atlantic City neighborhood as a large gray house cat, he's caught in a torrential downpour. What little luck he has washes down the gutter when

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his new boss, Andrew Wright, catches him taking shelter on his porch, brings him inside, and starts calling him Mr. Frosty. As a feline, Jim becomes the inadvertent confessor for his boss's lonely son, Tony, a victim of schoolyard bullying. As a human, he feels drawn to Andrew, a man he wanted to resent.

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Finding love was never part of Jim's plan for the future-not with his bizarre secret-yet suddenly he finds himself navigating that minefield anyway. But not everything is easy, especially for an interracial gay couple dealing with prejudice in the workplace, at Tony's school, and even within their own

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families.

Neural Networks for
Beginners

Selected Entries from
the Encyclopedia of
Sustainability Science
and Technology

Disciple IV

Change Detectives

Spectrum Algebra

Companion to Concrete
Mathematics

Can Leonardo

battle ninja robots

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*and keep his
troublemaking
brothers in line?
Kids ages 2 to 5 will
find out in this all-
new, full-color book
starring
Nickelodeon's
Teenage Mutant
Ninja Turtles. This
Nickelodeon Read-
Along contains
audio narration.*

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This volume presents the basics of electricity and component types, and introduces students to practical work involving basic electronics. This text is intended for a wide range of introductory courses in

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*electronics,
technology, physics
and engineering.*

*The coverage
includes GCSE
Electronics, GCSE
Design &
Technology,
Engineering GCSE
and City & Guilds
competence-based
courses such as
Level 2 NVQs. The*

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author's approach is student-centred with self-test features to check understanding, including numerous activities suitable for practicals, homework and other assignments. These concise revision notes are aimed at

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