

[B.4] Bibliography of TI-89 and TI-92 Plus books

This bibliography lists books related to the TI-89, TI-92 or TI-92 Plus calculators. Some are out of print, but you may find them at used book stores or web sites, or on eBay. Many of these books are little more than (very) expensive pamphlets: make sure you know what you're getting before you buy them.

For some of the books I give contents and excerpts from prefaces or introductions, to give you a better idea of what the book is about. If given, prices are in US dollars as of May, 2002.

The last section of the bibliography lists general calculator books not specifically related to TI calculators, but they may be interesting or useful.

The bibliography is organized in these sections:

- Introductory and programming
- General Mathematics
- Algebra
- Calculus and differential equations
- Statistics
- Geometry
- Engineering
- CBL, CBR
- Other calculator books

Introductory and programming

Getting Started with the TI-92/TI-92 Plus

Carl Swenson, Brian Hopkins, John Wiley and Sons, 1998

Graphing Calculators: Quick and Easy Using the TI-92 Plus

David P. Lawrence, Pencil Point Press, Inc., ISBN 1-881641-46-5

Great TI-92 Programs - Vol 1.

Bernhard Kutzler, David Stoutemeyer, Teachware Series, 1997, ISBN 3-901769-00-5

Introduction to the TI-89 (Part 1)

Bernhard Kutzler, Eric Armin Inc., ISBN 3-901769-14-5

Introduction to the TI-89 (Part 2)

Bernhard Kutzler, Eric Armin Inc., ISBN 3-901769-15-3

Introduction to the TI-92

Bernhard Kutzler, Eric Armin Inc., ISBN 3-901769-02-1

Learning Programming with the TI-92: Structures and Techniques

Steve Blasberg et al, Texas Instruments, 1997, ISBN 1-886309-08-6

(TI Explorations Series, High school and university, \$22.50)

"In this book, we introduce many of the programming commands and functions of the TI-92. As you use this book to learn programming, you also will learn structured programming techniques that help you program efficiently in the TI-92 programming language and in other programming languages as

well. These techniques will help you write well-documented programs that are easy to follow, modify, and maintain."

Contents: Introduction to the TI-92. The Action Block. Top-Down Programming. The Decision Block. The Repetition Block. Working with Data. Working with Parameters and Functions. Working with Menus and Dialog Boxes. Working with Graphics. Geometry on the TI-92. Solutions to Practice Problems. Index.

Quick and Easy Reference Guide

David P. Lawrence, Pencil Point Press Inc., ISBN 1-58108-033-6

General Mathematics

Discovering Math on the TI-92

Chris Brueningsen et al, Texas Instruments, 1996, ISBN 1-886309-05-1
(TI Explorations series, High school algebra through calculus, \$16.00)

"The purpose of this workbook is to provide a tool for teachers as they first use the TI-92 and consider ways to incorporate this technology into their classrooms. Our goal is to provide innovative and practical examples of how to begin using the new features of the TI-92 in high school math classes. The workbook is designed to meet the needs of a wide variety of students. Accordingly, many different areas of mathematical content are covered, ranging from algebra to advanced calculus.

"The activities are written assuming the reader has no TI-92 knowledge. Easy-to-follow instructions with step-by-step keystrokes are included for every activity. The book is presented in worksheet format so students can record their answers as they work. Extensions and extra practices are included at the end of many exercises, allowing students to investigate advanced topics related to concepts presented in the activity."

Contents: Exploring the Unit Circle. Getting Down to Basics. Solving Systems of Equations. Using Linear Programming in Real Life. What Is a Linear Regression?. Warming Up to Heating Curves. Evaluating Rational Function. Figuring Areas. Graphing An Extra Dimension. Functioning on Your Own. Modeling Damped Motion. What is the Number "e"?

Exploring Precalculus Mathematics with the TI-89/TI-92/TI-92 Plus

Michael Schneider, Gilmar Publishing, ISBN 0-888808-04-7

Learning Mathematics Through the TI-92

William Lawrence, Philip Yorke, ISBN 0-86238-489-3

Mastering the TI-92: Explorations from Algebra through Calculus

Nelson Rich et al, Gilmar Press, ISBN 0-9626661-9-X

Visual Mathematics Using the TI-92 and TI-89

G.C. Dorner, J.M. Ferrard, H. Lemberg, 2000, Springer France Editions, 440pp, ISBN 2-287-59685-2
Contents: Discrete dynamical systems. Differential equations. Fourier analysis. Interpolation and approximation. Orthogonality. Eigenvalues and eigenvectors. Calculator guide. Bibliography. List of the programs. Symbols used in the book. Index.
(Highly recommended by DAB.)

Algebra

Advanced Algebra with the TI-89

Brendan Kelly, Brendan Kelly Publishing, ISBN 1-895997-12-7

Algebra 1 Explorations and Applications; Activities for TI-81, TI-82 and TI-92 Calculators
McDougal Little Publishing

Algebra 2 Explorations and Applications; Activities for TI-81, TI-82 and TI-92 Calculators
McDougal Little Publishing

Investigating Advanced Algebra with the TI-92
Brendan Kelly, Brendan Kelly Publishing, ISBN 1-895997-05-4

Skill and Practice Masters in Algebra Using the TI-89
David P. Lawrence, Pencil Point Press, Inc., ISBN 1-58108-041-7

Skill and Practice Masters in Algebra Using the TI-92
David P. Lawrence, Pencil Point Press, Inc., ISBN 1-881641-56-2

Solving Linear Equations with the TI-92
Bernard Kutzler, Eric Armin Inc., ISBN 3-901769-03-X

Solving Systems of Linear Equations with the TI-92
Bernard Kutzler, Eric Armin Inc., ISBN 3-901769-05-6

Calculus and Differential Equations

Advanced Placement Calculus with the TI-89
Ray Barton, John Diehl, Texas Instruments, 1999, ISBN 1-886309-27-2
(TI Explorations series, high school calculus, \$16.00)

"This book presents an introduction to the numeric, graphic and analytic features of the TI-89. It is our hope that as teachers and students become familiar with these features, they will experience the same excitement all mathematicians feel when a new idea is discovered."

Contents: Functions, Graphs, and Limits. Differentiation. Applications of the Derivative. Integration. Riemann Sums and the Fundamental Theorem of Calculus. Applications of Integrals. Differential Equations and Slope Fields. Parametric, Vector, Polar, and 3D Functions. Infinite Sequences and Series. Appendices: TI-89 Keystrokes and Menus. Common Calculus Operations. Creating Scripts. Solutions to the Exercises. Index.

AP Calculus with the TI-89 Graphing Calculator
George Best, Richard Lux, Venture Publishing, 1999, ISBN 1-886018-25-1

Applied Calculus With Technology
Richard C. Weimer, Brooks/Cole Pub Co., 1998, 784pp, ISBN 0534354491, \$86.36

From the publisher:

"Understanding that technology can be both a valuable tool and as an active companion in the learning of calculus, Weimer has produced a textbook that students-those majoring in business, management, economics, and the social, life and physical sciences-will appreciate for the way it helps guide them into the 21st century. Students are introduced to functions and associated preliminary algebraic material, and then are presented with basic concepts of differential calculus. The organization and careful introduction of material is designed to help even poorly prepared students succeed. This text is ideal for professors who wish to integrate DERIVE® or the TI-92 graphing calculator into the applied calculus course."

Contents:

1. Functions. 2. The Derivative. 3. Graphs and Applications of the Derivative. 4. The Derivative: More Properties. 5. Derivatives of Logarithmic and Exponential Functions. 6. The Integral. 7. Additional Integration Topics. 8. Calculus of Several Variables. Appendix A: Important Derive? Commands for IBM-PC's or PC Compatibles. Appendix B: Derive? for Windows, Version 4.02. Appendix C: TI-92. Answers to Odd-Numbered Exercises.

CalcLabs for the TI-92

Selwyn Hollis, Brooks/Cole Publishing, 1997/98, ISBN 0-534-34970-6

(Not found on Brooks/Cole web site)

CalcLabs With the TI-92 for Stewart's Calculus: Concepts and Contexts, Single Variable

Selwyn Hollis, Brooks/Cole Pub Co., 1997

(Not found on Brooks/Cole web site)

CalcLabs With the TI-92 for Stewart's Multivariable Calculus: Concepts and Contexts

Selwyn Hollis, Jeff Morgan, Brooks/Cole Pub Co., 1998

(Not found on Brooks/Cole web site)

Calculus TI 92 Lab Manual

Ron Larson, Houghton Mifflin College, ISBN 0-395-90062-X

(According the Houghton Mifflin web site, this product is available 'with' various calculus texts. Prices are given for Windows and Mac versions, so perhaps it is actually software or a PDF file - impossible to tell from the description)

Calculus with the TI-89

Brendan Kelly, Brendan Kelly Publishing, 1999, 96pp, ISBN 1-895997-13-5, \$16.95

Exploring Calculus and Differential Equations with the TI-89/TI-92/TI-92 Plus

Michael Schneider, Gilmar Publishing, ISBN 1-888808-06-05

Insights into Calculus Using TI Calculators: 83 Plus, 86, 89, 92, and 92 Plus

Robert Smith, Roland Minton, McGraw-Hill Higher Education

Insights into Calculus Using TI Calculators :

83 Plus, 86, 89, 92, 92 Plus for Use With Calculus : Premiere

Robert T. Smith et al, McGraw Hill College Division

Introduction to the TI-92: 37 Experiments in Precalculus and Calculus

Charles Lund, Edwin Andersen, MathWare, ISBN 0-96223629-7-2

Investigating Calculus with the TI-92

Brendan Kelly, Brendan Kelly Publishing, ISBN 1-895997-07-0

Scripting Guide for the TI-92 and TI-92 Plus: PreCalculus and Calculus Applications

J. Douglas Childs, Texas Instruments, 1998, ISBN 1-886309-20-5

(TI Explorations series, High School and University Pre-Calculus and Calculus, \$16.00)

"The TI-92 provides instructors with a broad array of new teaching options. You can de-emphasize algebraic manipulation and, at the same time, focus on more powerful methods of solving problems using mathematics and the TI-92. This guide is designed for instructors, but is also useful for students, since it contains scripts and activities for students. By reading sections of this guide, students can gain insights about learning mathematics that they would not obtain from textbooks. This guide can be a valuable resource for teaching and learning calculus and precalculus with the TI-92 Plus.

"This guide has several purposes:

- To present some ideas about how to use the TI-92 to do calculus and precalculus calculations and processes.
- To make instructors aware of this new scripting feature in computer algebra graphing calculators.
- To describe a large number of learning activities for students. I recommend that you modify the scripts and activities to suit the needs of your students and your particular situation.
- To help mathematics instructors develop a pattern for using this somewhat complicated machine in a minimally obtrusive way.
- To help instructors think about what their students are actually learning and to provide an environment that may suggest some alternative instructional goals.
- To help students effectively use a TI-92 to learn and to do calculus and precalculus.

"Remember that this guide is designed to provide ideas and an opportunity to make improvements in your calculus course. Tools like the TI-92 will eventually change the way students learn mathematics - how and when this actually occurs is up to you. This guide is more of a beginning than an end. Most scripts and activities need to be modified by individual instructors to achieve their particular goals."

Contents: Getting Started with Scripts. Foundations. Functions. Applications. Limits. Derivatives. Integrals. Sequences and Series. Differential Equations. MultiVariable Calculus. Appendix.

Skill and Practice Masters in Calculus Using the TI-89

David P. Lawrence, Pencil Point Press, Inc., ISBN 1-58108-040-9

Skill and Practice Masters in Calculus Using the TI-92

David P. Lawrence, Pencil Point Press, Inc., ISBN 1-881641-91-2

Teachware Series, Support in Learning:

Optimization - Graphically, Numerically and Symbolically with the TI-92

ISBN 3-901769-20-X

Ti-92 Lab Manual for Calculus

Ron Larson, John Musser, Houghton Mifflin College

Statistics

Advanced Placement Statistics with the TI-89

Extensions for Advanced Placement Statistics with the TI-89

Larry Morgan, Roseanne Hofmann, Charles Hofmann, Texas Instruments, 2001

PDF format. This books uses the *Statistics with List Editor* Flash Application

(TI Explorations series, \$22.50, *Extensions*: \$9.00)

"With the help of the Statistics with List Editor Application, the TI-89 brings to life topics in statistics such as: histograms, categorical data, probability and simulation, binomial distributions, confidence intervals, and more."

Contents: Part 1, Exploring Data: Graphical Displays of Univariate Data. Summarizing Distributions of Univariate Data. Comparing Distributions of Univariate Data. Exploring Bivariate Data. Describing Categorical Data. Part 2, Planning a Study: Randomization in Sampling and Experiments. Part 3, Probability with Simulations: Probability

as Relative Frequency, The Normal Distribution, Sampling Distributions, Sampling Distribution of Differences. Part 4, Statistical Interface: Confidence Intervals. Tests of Significance. Special Cases of Normally Distributed Data. Appendices: Installing the Statistics with List Editor Application. Quick Reference for the Statistics with List Editor Application. Index.

(*Extensions* is available in electric form only at <http://epsstore.ti.com>.)

"This book gives additional topics that could be used in a first or second course in statistics, including Analysis of Variance, Multiple Regression, Forecasting, and Nonparametric methods. "

Part 5: Other Probability Distributions. Inference for the Standard Deviation and Variance of Normal Populations for One and Two Samples (The F Distribution). Analysis of Variance (ANOVA), One- and Two-Way. Multiple Linear Regression. Forecasting. Some Non-parametric Procedures. More Fits to Bivariate Data. Appendices: Installing the Statistics with List Editor Application. Quick Reference for the Statistics with List Editor Application. Program Listings for exsmooth and forecast. Index.

Investigating Statistics with the TI-92

Brendan Kelly, Brendan Kelly Publishing, ISBN 1-895997-06-2

RS-92 Resampling Stats for the TI-92

Bill Quails, Resampling Stats Inc., 1997.

Statistics and Probability with the TI-89

Brendan Kelly, Brendan Kelly Publishing, ISBN 1-895997-14-3

The Practice of Statistics: TI-83/89 Graphing Calculator Enhanced

Daniel S. Yates et al, Publishes June 2002

Geometry

92 Geometric Explorations on the TI-92

Michael Keyton, Texas Instruments, 1996, ISBN 1-886309-06-X
(TI Explorations series, high school geometry, \$22.50)

"This book provides a variety of student activities using Geometry on the TI-92. Activities ranging from preliminary discovery of basic theorems typically seen in a high school course to advanced explorations show students exciting geometric results.

"The activities are arranged in a logical sequence for a high school syllabus, but are not in the order of any specific textbook. They have been designed as independent of each other as possible. Thus, you can reorder them to fit any sequence."

Contents: Segment Partition (Between) and Midpoint. Distance from a Point to a Line (Circle). Angle Partition (Addition) and Angle Bisector. Vertical Angles. Perpendicular Bisector. Perpendiculars and Parallels. Linear Pair and Perpendicular Pair. Bisectors of Two Angles That Form a Linear Pair. Angle Bisector (Characterization). Circle (Radius, Diameter, Chord). Triangle: Medians and the Centroid. Isosceles Triangle. More About the Isosceles Triangle. Angle Inscribed in a Semicircle. Altitude, Median, and Angle Bisector of a Triangle. Parallel Lines and Angles. Triangle Sum. Equilateral Triangle and a Curiosity. Perpendicular Bisectors: Circumcenter and Circumcircle. Three Points Determine a Circle (sometimes). Triangle: Altitudes and the Orthocenter. Pedal Triangle of a Point and a Triangle. Angle Bisectors: Incenter and Incircle. Midsegments and the Medial Triangle. Tangents to a Circle. Trisecting a Segment. Hinges. Geometric Mean. Animation and Locus. Right Triangle; Making a Table. Using a Table to Make Conjectures. Arc Measure Macro. Inscribed Angle and Angle Formed by Two Chords. Angle Formed by Two Secants or a Secant and a Tangent. Angle Formed by a Tangent and a Chord or by Two Tangents. Steiner's Power of a Point / Chord-Chord. Steiner's Power of a Point / Secant-Secant

/ Secant-Tangent. Equilateral Triangle and Square. Parallelogram. Isosceles Trapezoid. Rectangle. Rhombus. Kite. Cyclic Quadrilateral. Varignon Quadrilateral. Curiosity of an Isosceles Triangle, Rectangle, Isosceles Trapezoid. Pythagorean Theorem. Midvexes of a Parallelogram. Perpendicular and Parallel Angles. Intersecting Circles. Parallel Lines and Proportions. Parallel Through a Side of a Triangle or Through a Circle. Angle Bisector of a Triangle. The Nine-Point Circle. Trisection Polygons. A Maximum and a Minimum in One Problem. Midvex of a Parallelogram and Isosceles Triangle. Tangents to Two Circles. Angle Bisector Revisited. Triangles with Parallel Sides (Homothecy). Distance From a Point to a Line (Circle Triangle) to a Point. Dilations (Homothecy Revisited). Similar Triangles Are Everywhere. Trigonometric Tables. The Medial Triangle Revisited (Homothecy). The Euler Line. Circumcircles, Reflections, and (...). Antipedal Point and Triangle. Harmonic Conjugates. Menelaus. Ceva. Menelaus, Ceva, and Harmonic Conjugates. Quadrilateral and Harmonic Conjugates. Pappus. Desargues. Pascal's Mystic Hexagram. Miquel. Carnot. Centroids Galore and What Point Is It Anyway? Wallace Line. Tritangent Circles. Gergonne. Nagel. Feuerbach: The Tritangent Circles and the Nine-Point Circle. Isotomic and Isogonal Conjugates. Bisectors of Interior and Exterior Angles of a Triangle. Maltitudes, Diacenter, and Medcenter. Cyclic Quadrilateral Curiosities. Butterfly. Brocard Points. Orthocenter and Circumcenter. Orthocenter Revisited. Teacher Information. References.

Geometrical Investigations for the Classroom on the TI-92

Charles Vonder Embse, Arne Engebretsen, Texas Instruments, 1996, ISBN 1-886309-04-3
(TI Explorations series, high school geometry, \$16.00)

"The explorations in this book are intended to promote an environment of inquiry through thought provoking, open-ended problems. There is no intended order of topics. Any exploration can be used where it fits into your program. There is no suggested time for an exploration. Some students may think about a given problem for weeks or months, coming up with new insights and interconnections as they consider other problems. It may be appropriate to present one exploration, or part of one, each grading period as a group or individual project.

"No matter how you use these activities, the emphasis should be on exploration - trying anything and everything that comes to mind. Once the discoveries are made, ask students to explain why they are true. Depending on the level of the students, these explanations could be anything from statements of the findings to detailed proofs. But remember, like real mathematics in the making, proof should be the final step in the discovery process, not the first."

Contents: Investigating Properties of Kites. Investigating Properties of Trapezoids. Investigating Properties of the Diagonals of Quadrilaterals. The Orthocenter of a Triangle. Cyclic Quadrilaterals. Tessellations and Tile Patterns. Polygons and Vectors. The Simson Line. Investigating Properties of Lines in the Plane. Construction Tools: Interactive Function Graphs.

Geometry Explorations and Applications, Activities for the TI-81, TI-82 and TI-92 Calculators
McDougal Littell Publishing

Skill and Practice Masters in Geometry Using the TI-92

David P. Lawrence, Pencil Point Press, Inc., ISBN 1-58108-020-4

Engineering

Electrical Engineering Applications with the TI-89

David R. Voltmer, Mark. A. Yoder, Texas Instruments, 1999, ISBN 1-886309-25-6
(TI Explorations series, university electrical engineering, \$22.50)

"To Students:

"This book is written for electrical engineering students. It is a collection of examples that show how to solve many common electrical engineering problems using the TI-89. It is not a textbook; if you do not know how to solve the problem, look it up in your textbook first. If you do know how to solve the problem, this book will show you how to use the TI-89 to get the answer with more insight and less tedium. We show you how to use the TI-89 in class, in lab, on homework, and so forth.

"To Instructors:

"When writing this book, we resisted the temptation to show how the TI-89 can be used to solve problems in ways that differ from standard electrical engineering texts. Although it has the power and ability to approach many problems in new ways, that was not our focus. Our focus is to help students learn the basic material better by showing them how to use the TI-89 to do the tedious things so they don't get lost in the details. Our approach was best summed up by Gottfried Wilhelm Leibniz when, in the 17th century, he said, "It is unworthy of excellent men to lose hours like slaves in the labor of calculation." "

Contents: DC Circuit Analysis. Transient Circuit Analysis: Symbolic. Transient Circuit Analysis: Numeric. Steady-State Circuit Analysis and Filter Design. Power Engineering. Laplace Analysis: The s-domain. The Convolution. Fourier Series. Vectors. Vector Calculus. Electromagnetics. Transmission Lines. Antennas. Manipulating Lab Data: The Diode. Financial Calculations. Index.

Engineering and Technical Math on the TI-92: Electronic and Electrical Applications
Charles R. Adams, David Hergert, Texas Instruments, 1997, ISBN 1-886309-10-8
(TI Explorations series, High school and university electrical engineering, \$22.50)

"This book was written to show the power of the TI-92 for electrical and mechanical students at the vocational and two year technical level. Also included in the text are highlighted sections appropriate for engineering students.

"The goal of the authors is to help students customize the TI-92 for electrical applications. The TI-92's rich set of mathematical and engineering features make it far superior to any other calculator of its kind. The instructions in this book on formula entry, graphing, data collection and display, the CBL utility and report writing will help students and technicians fully utilize the TI-92's capabilities.

"This electrical volume shows the most commonly used formulas for electrical technicians and engineers. It works as a great supplement to textbooks on circuit analysis and electronics. Some of the features of the TI-92 are highlighted through examples, including:

- Introduction of vectors and phasors using-the powerful Vector tool from the Geometry menu.
- Use of PopUp list boxes which allow students to select colors for the resistor color code, and material selection for resistivity.
- Use of the powerful solve utility to rearrange Ohms Law and the Power formula. This should be of great use to high school students not yet adept at algebra.
- Use of a function that parallels resistors. This function allows students to enter complex series-parallel circuits in a simple format.
- A complete set of base conversions (including fractional) for digital electronics.
- Graphical display of a charging capacitor.
- Display and analysis of two and three phase waveforms, similar to the method used to calculate phase shift on an oscilloscope.

- Use of functions to calculate the impedance of capacitors and inductors. These functions allow students to enter complex AC impedance in a simple one-line format.
- A description of how readings can be directly entered into the calculator while an experiment is being performed. A DC motor is used as an example.

"All of the examples are geared toward helping students understand the power and convenience of the TI-92. Many of the examples would be more difficult or impossible if attempted on another calculator.

Contents: Chapter 1, Basic Use of the TI-92: Solving Equations. Entering Numbers. Display Digits Mode. Inserting and Over-Typing. Storing and Recalling Variable Values. Keyboard Shortcuts. Pretty Print Mode. Displaying the Home Screen. Graphing a Function. Exponents and Powers of Ten. Coordinate Conversions. Chapter 2, DC Circuit Analysis: Ohm's Law. The Power Formula. Current and Charge. The Resistivity Equation. The Resistor Color Code. Capacitor Charging. Parallel Resistance. Collecting and Displaying Motor Data. Chapter 3, AC Circuit Analysis: The Sine Wave. Capacitive and Inductive Reactance. Solving Series AC Circuits. Solving Parallel AC Circuits. Average Value. Average Value (Sine Wave). RMS Calculations. Chapter 4, Digital Electronics: Base Conversions. Converting from Binary to Decimal. Converting From Decimal to Binary. Converting Binary to Hex. Converting Hex to Binary. Converting from Hex to Decimal. Converting Decimal to Hex. Binary Addition. Binary Subtraction. Boolean Operations. Chapter 5, Analog Electronics: Diode Circuit Operating Point. Common Emitter Amplifier. Chapter 6, Power Distribution: Y to Delta and Delta to Y Resistance Conversions. Three-Phase Circuits. Three-Phase Power. Chapter 7, Magnetism and Electromagnetic Fields: Magnetic Flux. Induced Voltage in a Magnetic Field. Force Generated in a Magnetic Field.

CBL, CBR

TI-92 and CBL Lab Manual: Precalculus Applications
Glencoe Publishing, 1996, ISBN 0-02-824316-1

Microchemistry for the TI-92/CBL
Tom Russo, Theta Technologies, ISBN 1-888167-05-X

Other calculator books

Handbook of Electronic Design and Analysis Procedures using Programmable Calculators.
Bruce K. Murdock, Van Nostrand, 1979, 525pp.

TI-59 and HP-41CV Instrument Engineering Programs
Stanley W. Thrift, Gulf Publishing Co., 1983, 366pp.

Scientific Analysis on the Pocket Calculator
Jon M. Smith, John Wiley & Sons, 1977 (2nd ed), 446pp, ISBN 0-471-03071-6
Contents: Introduction to pocket calculator analysis. Numerical evaluations of functions on the pocket calculator. Advanced analysis on the pocket calculator. The programmable pocket calculator. Financial analysis for engineers and scientists. Appendices: Some tricks of the pocket calculator trade, Matrix analysis on the pocket calculator, Complex numbers and functions, Formulas for commonly encountered calculations.
(Highly recommended by DAB)

Advanced Applications for Pocket Calculators
Jack Gilbert, Tab Books, 1976, 304 pp. ISBN 0830658246

Calculator Programs for Chemical Engineers
Vincent Cavaseno, ed, 1982.

Microwave Circuit Design Using Programmable Calculators

J.W. Allen, M.W. Medley, Artech House, 1980, ISBN 0-89006-089-4
Procedures for performing S-Parameter calculations with HP and TI programmable calculators.

Statistics By Calculator: Solving Statistics Problems With The Programmable Calculator
Peter W. Zehna, Prentice-Hall, 1982, 308 pp, ISBN 0138448116

Engineering Statistics with a Programmable Calculator
William Volk, McGraw-Hill, 1982, 362pp, ISBN 0-07-067552-X
Contents: Introduction. Statistical parameters. Probability distributions. The t test. Chi square test. Variance and the analysis of variance. Regression. Appendices: Hewlett Packard calculator programs, Texas Instruments Calculator programs. Programs for HP-97 and TI-59.

Mathematical Astronomy With A Pocket Calculator
Aubrey Jones, Wiley, 1978, 254pp, ISBN 0-470-26552-3
Contents: Time. Precessional constants for selected epochs. Reduction for precession. Reduction from mean to apparent place. Proper motion. Sun, moon and planets. Visual binary star orbits. Ephemerides of comets. Approximations. Appendices: Visual binary star orbits. Programs for calculators using RPN logic. Index.

Practical Astronomy with your Calculator
Peter J. Duffet-Smith, Cambridge University Press, 1989, 200pp.

Illustrated Pocket Programmable Calculators In Biochemistry
John E. Barnes, Alan J. Wring, John Wiley & Sons, Inc., 1980, 363 pp.
For use with Hewlett-Packard HP-67/97 and Texas Instruments TI-58/59.
Contents: Aqueous solutions of Small Molecules. Macromolecules In Solution. Sedimentation. Ligand Binding and Kinetics. Thermodynamics In biochemistry. Spectroscopy. Isotopes In Biochemistry. Appendices. Index.

Phaselock Loops for DC Motor Speed Control
Dana Geiger, Wiley, 1981, 206pp, ISBN 0471085480
Uses TI-59 programs

Reservoir Engineering Manual.
Reuven Holo, Hareh Fifadaro, Penn Well Books, 1980.
27 reservoir engineering programs. Uses TI-59 programs.

Drilling Engineering Manual
Martin E. Chenevert, Reuven Holo, Penn Well Books.
A manual, based on use of the TI-59 programmable calculator or similar ones for petroleum engineers covering nearly all phases of drilling.

Synthetic-Hydrograp Computations on Small Programmable Calculators
Thomas Croley, Iowa Institute of Hydrologic Research, 1980, ISBN 0874140153.

Astro-Navigation Calculator: A Handbook for Yachtsmen
Henry Lesion, David & Charles, 1984, 112pp.
"Written especially for yachtsmen, this book shows how the traditional methods of obtaining an astro-navigational fix can be superseded by using a scientific pocket calculator and a new book of calculator tables."

Calculator Navigation
Mortimer Rogoff, Norton, 1979, 418pp, ISBN 0-393-03192-6
Contents: Calculators and navigation. Coastwise navigation. Sailing. Celestial navigation. Loran. Appendices: Recording procedures, Customized programs, Setting decimal and trigonometric mode on the HP-67 / HP-97,

Non-print operation of the HP-97, Interrupting the display interval on the HP-67, Using the HP-41C, Program listings. Index.

Radar Calculations Using the TI-59 Programmable Calculator

William A. Skillman, Artech House, Inc. 1983, 405pp, ISBN 0-89006-112-2.

Contents: Preface, Antennas, Propagation, Detection Probability, Signal-To-Noise Calculations, Filters and Filtering, Receivers and Processing, Appendices: Basic Operations, Extended Operations, Calculator Clubs and Books, Master Library Subroutines, Translation from TI-59 to Basic, List of Acronyms and Abbreviations, List of Symbols, Index.