This is a PARTIAL list of books/documents I have read since about 01-01-01. This list was started in hopes of cataloging my reading habits. Each category lists the most recent book finished last. In order to appear on this list each book had to be read cover to cover.

Where indicated, a more thorough reading was attempted in which all examples appearing in the text worked, and problems appearing in any problem sections attempted.

Note: The directory BOOKS_READ is defined as:
BOOKS_READ=${HOME}/Projects/Reading/Books
and the directory E_PAPERS is defined as:
E_PAPERS=${HOME}/Projects/Reading/EPapers

* Biology:

** Bioinformatics:

1) Beginning Perl for Bioinformatics
   by James D. Tisdall.
   ISBN = 0-596-00080-4
   Excluding: Problems and exercises.

** Conservation:

1) LIVING ON THE EDGE
   by Jeff Corwin.
   ISBN = 1-57954-792-3

** Herpetology:

1) THE AUDUBON SOCIETY POCKETS GUIDES:
   FAMILIAR REPTILES AND AMPHIBIANS: North America
2) THE LITTLE GUIDES: REPTILES & AMPHIBIANS
   ISBN = 1-875137-58-0

** Mathematical Biology:

1) 18.417: Introduction to Computational Molecular Biology Notes
   Notes: 1-3 of 19
   ${HOME}/Projects/Reading/EPapers/Misc/18.417
2) Modeling Differential Equations in Biology
   by Clifford Henry Taubes.
   ISBN = 0-13-017325-8
   Excluding: Problems and exercises.

** Ornithology:

1) Loons
   by Roy Dennis.
   ISBN = 0-89658-224-8

* Computer Science:

** Algorithms/Complexity (Serial):

1) COMPUTERS AND INTRACTABILITY:
   A Guide to the Theory of NP-Completeness
   by Michael R. Garey and David S. Johnson.
   ISBN = 0-7167-1044-7
   Excluding: Problems and exercises.
2) Algorithms and Complexity
   by Herbert S. Wilf.
   ${HOME}/Projects/Reading/EBooks/Wilf/AlgComp.pdf
   Excluding: Problems and exercises.

*** Classes:

1) ECE 3484: Combinatorial Optimization
   Northeastern University (Network Northeastern)
   by Professor Waleed Meleis.
   http://www.ece.neu.edu/courses/ece3484/

** Algorithms/Complexity (Parallel):

1) Introduction to Parallel Computing: Design and Analysis of Algorithms
   by Vipin Kumar, Ananth Grama, Anshul Gupta, and George Karypis.
   ISBN = 0-8053-3170-0
   Including: Attempts at a FEW problems and exercises.
2) How to Build a Beowulf:
   A Guide to the Implementation and Application of PC Clusters
   by Thomas Sterling, John Salmon, Donald J. Becker and Daniel F. Savarese.
3) Practical Parallel Computing
   by Marcin Paprzycki, Luciano Tarricone, Laurence Tianruo Yang
   ISBN = 1-59033-127-3

*** Classes:

1) ECE 3473: Parallel Architectures for High Performance Computing
   Northeastern University (Network Northeastern) Spring 2003 Quarter
   by Professor Elias S. Manolakos.
   http://www.cdsp.neu.edu/info/faculty/manolakos/ece3473/

** Artificial Intelligence:

1) Artificial Intelligence in BASIC
   by Mike James.
   ISBN = 0 408 01373 7
2) AI Application Programming
   by M. Tim Jones.
   ISBN = 1584502789
3) AI for Game Developers
   by David M. Bourg and Glenn Seeman.

** Genetic Algorithms:

1) Genetic Algorithms + Data Structures = Evolution Programs
   Second, Extended Edition
   by Zbigniew Michalewicz.
   ISBN = 3-540-58090-5

** Computers Misc.

1) Building a Beowulf System
   by Jan Lindheim.
   ${E_PAPERS}/2000/building.txt
2) Can’t Happen or /* NOTREACHED */ or Real Programs Dump Core
   by Ian Darwin
   ${BOOKS_READ}/doc/canthappen.txt

** FAQ’s:

A host of frequently asked questions that I have read can be obtained
by going to the respective files in the following directory:

${BOOKS_READ}/doc/FAQ

FAQ's categorized by usenet group are placed in the directory named "rtfm.mit.edu" and misc FAQ are placed in the directory "Misc".

** Languages/Software:

*** bc:

1) bc GNU Manual
   ${BOOKS_READ}/doc/GNU/bc.html
2) bc tutorial
   ${BOOKS_READ}/doc/GNU/Bc_2520Tutorial.txt

*** C:

1) THE C PROGRAMMING LANGUAGE: SECOND EDITION
   by Brian W. Kernighan and Dennis Ritchie.
   ISBN = 0-13-110362-8
2) Optimization of Computer Programs in C
   by Michael E. Lee.
   ${BOOKS_READ}/doc/optimization.html
3) Recommended C Style and Coding Standards
   ${BOOKS_READ}/doc/cstyle.html

*** C++:

1) The C++ Programming Language: Third Edition
   by Bjarne Stroustrup.
   ISBN = 0-201-88954-4
   Excluding: Problems and exercises.
2) C++ Cookbook
   By Ryan Stephens, Christopher Diggins, Jonathan Turkanis, and Jeff Cogswell.
3) HOW NOT TO PROGRAM IN C++
   by Steve Oualline.
   ISBN = 1-886411-95-6
4) Accelerated C++: Practical Programming by Example
   by Andrew Koening and Barbara E. Moo.
   ISBN = 0-201-70353-X
5) C++ HOW TO PROGRAM: Second Edition
   by H. M. Deitel and P. J. Deitel.
   ISBN = 0-13-528910-6
   Excluding: Problems and exercises.
   by Herbert Schildt.
   ISBN = 0-7-213293-0

*** Expect:

1) Exploring Expect: A Tcl-based Toolkit for Automating Interactive Programs
   by Don Libes.
   ISBN = 1-56592-090-2
2) Expect Tutorial
   ${BOOKS_READ}/doc/expect_tutor.txt

*** FORTRAN:

1) Professional Programmer’s Guide to Fortran77
   by Clive G. Page.
   ${BOOKS_READ}/doc/prof77.ps
2) F77 Style Guide
by David L. Levin.

*** GNU Emacs:

1) GNU Emacs Manual.
by Richard M. Stallman.
ISBN = 1-882114-06-X

2) Learning GNU Emacs: Second Edition
by Debra Cameron, Bill Rosenblatt, and Eric Raymond.
ISBN = 1-56592-152-6

*** GNU AutoTools:

1) GNU AUTOCONF, AUTOMAKE, and LIBTOOL
by Gary V. Vaughan, Ben Elliston, Tom Tromey, and Ian Lance Taylor.
ISBN = 1-57870-190-2

2) Autoconf: Creating Automatic Configuration Scripts
${BOOKS_READ}/doc/GNU/autoconf.html

*** GNU Manual’s:

1) Accounting Utilities Manual
${BOOKS_READ}/doc/GNU/accounting.html

2) GNU text utilities
${BOOKS_READ}/doc/GNU/textutils.html

3) Comparing and Merging Files
${BOOKS_READ}/doc/GNU/diff.html

*** grep:

1) grep: pocket reference
by John Bambenek & Agnieszka Klus.
ISBN = 978-0-596-15360-1

*** Java:

1) ON TO JAVA 1.2: Second Edition
by Patrick Henry Winston and Sundar Narasimhan.
ISBN = 0-201-38598-0
Excluding: Problems and exercises.

*** Makefile Programming:

1) Managing Projects with make
by Andrew Oram and Steve Talbott.
ISBN = 0-937175-90-0

2) GNU Make: A Program for Directing Recompilation
by Richard M. Stallman and Roland McGrath.
${BOOKS_READ}/doc/make.html

*** Mathematica:

1) Mathematica the Student Book
by Stephen Wolfram adapted by George Beck.
ISBN = 0-201-55479-8

2) Power Programming with Mathematica: The Kernel
by David B. Wagner.
Excluding: Problems and exercises.

3) The Mathematica Programmer
by Roman Maeder.
ISBN = 0-12-464990-4

*** Matlab:

1) MATLAB: The Language of Technical Computing User Manuals:
2) Mastering Matlab 6: A Comprehensive Tutorial and Reference
   by Duane Hanselman and Bruce Littlefield.
   Excluding: Chapter 35: Extending MATLAB with Java.
   Chapter 36: Windows(TM) Application Integration.
3) MATLAB Guide
   by Desmond J. Hingham and Nicholas J. Hingham.
   ISBN = 0-89871-469-9
   1993: All from aug.93, jan.93, jul.93, jun.93, and may.93.
   All are located in the directory:
   ${BOOKS_READ}/doc/mathworks/pub/doc/COMP.SOFT-SYS.MATLAB/1993
5) Matlab Technical Notes:
   1605: MEX-files Guide
   ${BOOKS_READ}/doc/mathworks/pub/doc/tech-notes/1605.html
   Understanding MEX-File Problems
   ${BOOKS_READ}/doc/mathworks/pub/doc/tech-notes/ch01in19.shtml

*** Microsoft Programs:

1) Automating Microsoft Access with VBA
   by Susan Sales Harkins and Mike Gunderloy.
   ISBN = 0-7897-3244-0

*** MPI:

1) Using MPI - Portable Parallel Programming with the
   Message-Passing Interface: second edition
   by William Gropp, Ewing Lusk, and Anthony Skjellum.

*** NDDS:

1) NDDS Version 2.2 User’s Manual
   by Real-Time Innovations.

*** Octave:

1) Octave FAQ
   by John W. Eaton.
   ${BOOKS_READ}/doc/octave/FAQ.txt
2) Octave Compatibility FAQ
   ${BOOKS_READ}/doc/octave/compatibility.txt

*** Pascal:

1) PASCAL
   by Samuel L. Marateck.
   ISBN = 0-471-60546-8
2) Turbo Pascal: Programming and Problem Solving
   by Mickey Settle and Michel Boillot.
   ISBN = 0-314-62309-4

*** Perl:

1) Spidering Hacks: 100 Industrial-Strength Tips & Tools
by Kevin Hemenway and Tara Calishain.  
ISBN = 0596005776

2) Minimal Perl for UNIX and Linux People 
by Tim Maher.  
ISBN = 1-932394-50-8

*** Pthreads:

1) Pthreads Programming: A POSIX Standard for Better Multiprocessing 
by Bradford Nichols, Dick Buttlar, & Jacqueline Proulx Farrell.  
ISBN = 1-56592-115-1

*** Python:

1) Learning Python
by Mark Lutz & David Ascher.  
Including: All problems and exercises through Part IV (Functions).  
Excluding: All problems and exercises from Part V onward.  
Appendix B. Solutions to Exercises (Part V-Part VIII)

2) In Core Python Programming: Second Edition 
by Wesley J. Chun. 
ISBN = 0-13-226993-7 
Excluding: Most problems and exercises.

** Operating Systems:

*** Unix:

1) Unix Power Tools: Second Edition 
by Jerry Peek, Tim O’Reilly, and Mike Loukides.  
Excluding: Chapter 31: vi Tips and Tricks 
Chapter 32: Creating Custom Commands in vi

2) Porting UNIX Software 
by Greg Lehey. 
ISBN = 1-56592-126-7

3) X User Tools 
by Linda Mui and Valerie Quercia.  
ISBN = 1-56592-019-8 
Excluding: Pages 94-107: Screensaver discussions 
Chapter 7: X-Based Mailers 
Chapter 9: Editing and Viewing Files 
Chapter 10: Just For Fun 
Chapter 14: The olwm Window Manager 
Chapter 15: The fvwm Window Manager

4) The Unix Programming Environment 
by Brian W. Kernighan and Rob Pike.  

5) Essential System Administration: 2nd Edition 
by AEleen Frisch.  

6) The UNIX-HATERS Handbook 
Edited by Simson Garfinkel, Daniel Weise, and Steven Strassmann 
ISBN = 1-56884-203-1

**** Linux:

1) Red Hat Linux Unleashed, Second Edition 
by David Pitts et al.  
ISBN = 0-672-31173-9

2) Sam’s Teach Yourself Linux in 24 Hours 
by Bill Ball and Stephen Smoogen. 
ISBN = 0-672-31162-3
3) Ques’ Special Edition Using Linux.
   ISBN = 0-7897-1746-8
4) Linux: Networking for Your Office
   Small Office/Home Office (SOHO) Solutions
   by Roderick W. Smith.
   ISBN = 0-672-31792-3

***** Linux Gazette:
Volumes 1-9 of 109

***** Linux HOWTO’s:
A host of Linux HOWTO’s that I have read can be obtained by going to
the respective files in the following directory:

${BOOKS_READ}/doc/HOWTO

***** Linux Journal:
Issues: 1-16, 141-152,154-155,157,159-164,166-168,170-187,189

***** Linux Magazine:
Issues: September 2007

**** Shell Programming:
1) Learning the bash shell: 2nd Edition
   by Cameron Newham and Bill Rosenblatt.
   Excluding: Chapter 2, Section 3: vi Editing Mode.
2) bash Quick Reference
   by Arnold Robbins.
   ISBN = 0596527764
3) Bash Cookbook
   by Carl Albing, JP Vossen, and Cameron Newham.
   ISBN-13 = 978-0-596-52678-8
4) Classic Shell Scripting
   ISBN = 0-596-00595-4
5) Expert Shell Scripting
   by Ron Peters.
6) Linux Command Line and Shell Scripting Bible
   by Richard Blum.
   Epages: 361 (suppressing command output) – 365 (logging messages)
   Epages: 383 (scheduling a job using the at command) – 566 (Chapter 20: the ash shell)
   Epages: 672 (chapter 24: using a database) – End of Book in

**** Unix Commands:

***** Sed and Awk:
1) sed & awk: Second Edition
   by Dale Dougherty and Arnold Robbins.
2) THE SED FAQ
   by Eric Pement.
   ${BOOKS_READ}/doc/sedawk/sedfaq.html
2) HANDY ONE-LINERS FOR SED
   by Eric Pement.
** Software Engineering:

1) Code Complete
   by Steve McConnell.
   ISBN = 1-55615-484-4

2) Programming Pearls: Second Edition
   by Jon Bentley.
   ISBN = 0-201-65788-0
   Including: Attempts at ALL problems and exercises.

3) the mythical man-month: Essays on Software Engineering
   by Frederic P. Brooks, Jr.

4) The Practice of Programming
   by Brian W. Kernighan and Rob Pike.
   ISBN = 0-201-61586-X
   Excluding: Problems and exercises.

5) WRITING SOLID CODE: Microsoft’s Techniques for Developing Bug-Free C Programs
   by Steve Maguire.
   ISBN = 1-55615-551-4

6) More Programming Pearls: Confessions of a Coder
   by Jon Bentley.
   ISBN = 0-201-11889-0
   Including: Attempts at ALL problems and exercises.

7) Writing Efficient Programs
   by Jon Louis Bentley.
   Including: Attempts at ALL problems and exercises.

8) THE ELEMENTS OF PROGRAMMING STYLE
   by Brian W. Kernighan and P. J. Plauger.
   ISBN = 0-07-034199-0
   Including: Attempts at a FEW problems and exercises.

9) CODE Reading: The Open Source Perspective
   by Diomidis Spinellis.
   ISBN = 0-201-79940-5

* Engineering:

** Electrical Engineering:

*** Antennas:

1) Fundamentals of Antennas: Concepts and Applications
   by Christos G. Christodoulou and Parveen F. Wahid.
   ISBN = 0-8194-4112-0

*** Bayesian/Belief Networks:

1) Probabilistic Inference Using Markov Chain Monte Carlo Methods
   by Radford M. Neal.

**** Bayesian/Belief Software:
1) Netica Web Based Tutorial for Version 1.12
   Including all Tutorial Networks and Examples
   Completed: 2003-10-20

*** Classification:

1) CLASSIFICATION ALGORITHMS
   by Mike James.

*** Digital Image Processing:

1) Alien Vision
   by Austin Richards.
2) DIGITAL IMAGE PROCESSING: Principles and Applications
   by Gregory A. Baxes.
   ISBN = 0-471-00949-0

**** Image Processing (Video):

1) Fundamentals of Image Processing
   by Professor William F. Schreiber.
   Tapes 1-7 of 23.
2) 2-D Signal Processing and Image Processing
   by Professor Jae S. Lim.
   Tapes 1-1 of 18.

*** Digital Signal Processing:

1) ADAPTIVE FILTERING PRIMER with MATLAB
   by Alexander D. Poularikas and Zayed M. Ramadan.
   ISBN = 0-8493-7043-4
   Including: Attempts at many problems and a solution manual set of notes written
2) Algorithm Collection for Digital Signal Processing Applications using Matlab
   by E. S. Gopi.
   ISBN = 978-1-4020-6410-4
3) Digital Signal Processing
   by Vinay K. Ingle and John G. Proakis.

**** Digital Signal Processing (Video):

1) Digital Signal Processing
   by Professor Alan V. Oppenheim.
   Tapes 1-16 of 22.

*** Estimation Theory:

1) STOCHASTIC PROCESSES, DETECTION AND ESTIMATION: MIT EE 6.432 Course Notes
   Including the Supplementary Notes on: KARHUNEN-LOEVE EXPANSIONS,
   DETECTION AND ESTIMATION FROM WAVEFORM OBSERVATIONS, and WIENER FILTERING
   by Alan S. Willsky, Gregory W. Wornell, and Jeffrey H. Shapiro.
   by Mohinder S. Grewal and Angus P. Andrews.
   ISBN = 0-471-26638-8
   Including: A notes and problem solutions write up.

*** Hardware Manuals:

1) FreeWave Technologies Multipoint Diagnostics Program User Manual: Version 2.08
2) FreeWave Spread Spectrum Wireless Data Transceiver User Manual
*** Information Theory:

1) An Introduction to Information Theory: Symbols, Signals, and Noise; Second, Revised Edition  
   by John R. Pierce.  
   ISBN = 0-486-24061-4

*** Medical Imaging:

1) Foundations of Medical Imaging  

*** Monte Carlo Methods:

1) MONTE CARLO METHODS: VOLUME I: BASICS  
   by Malvin H. Kalos and Paula A. Whitlock.  

*** Neural Networks:

1) An Introduction to Neural Networks: Eighth edition  
   by Ben Krose and Patric van der Smagt.  
2) C++ Neural Networks and Fuzzy Logic  
   by Valluru B. Rao.  
   ISBN = 1558515526  
3) ARTIFICIAL NEURAL NETWORK TECHNOLOGY  
   by Dave Anderson and George McNeill.  
4) KALMAN FILTERING AND NEURAL NETWORKS  
   Edited by Simon Haykin.  
   ISBN = 0-471-22153-6

*** Neurodynamic Programming:

**** Neurodynamic Programming (Video):

1) MIT-EECS Colloquium Series: 4/1/96  
   Neurodynamic Programming  
   by Dimitri Bertsekas.

*** Pattern Recognition:

1) Pattern Recognition  
   by Mike James.  
   ISBN = 0-471-61120-4  
2) Pattern Recognition AND Neural Networks  
   by Brian D. Ripley.  
   ISBN = 0 521 46086 7  
3) DECISION ESTIMATION AND CLASSIFICATION:  
   An Introduction to Pattern Recognition and Related Topics  
   by Charles W. Therrien.  
   ISBN = 0-471-83102-6  
   Including: Attempts at ALL problems and exercises.  
4) THE Mathematical Foundations OF LEARNING MACHINES  
   ISBN = 1-55860-123-6  
5) Combining Pattern Classifiers: Methods and Algorithms  
   by Ludmila I. Kuncheva.  
   ISBN = 0-471-21078-1  
6) Computer Manual in MATLAB to accompany  
   Pattern Classification: Second Edition  
   by David G. Stork and Elad Yom-Tov.  
   Excluding: Chapter 1: Introduction to MATLAB
Chapter 2: Programming in MATLAB

7) COMPUTER-ORIENTED APPROACHES TO PATTERN RECOGNITION
by William S. Meisel.
Including: Attempts at ALL problems and exercises.

8) The Elements of Statistical Learning:
Data Mining, Inference, and Prediction
by Trevor Hastie, Robert Tibshirani, and Jerome Friedman.
Including: Attempts at A FEW problems and exercises.

9) APPLICATIONS of PATTERN RECOGNITION
by K. S. Fu.

10) PATTERN RECOGNITION: SECOND EDITION
by Sergios Theodoridis and Konstantinos Koutroumbas.
ISBN = 0-12-685875-6

11) Machine Learning, Neural and Statistical Classification

12) Reinforcement Learning: An Introduction
by Richard S. Sutton and Andrew G. Barto.
ISBN = 0262193981
Including: Attempts at many examples and problems.

13) PROBLEM SOLVING WITH REINFORCEMENT LEARNING
by Gavin Adrian Rummery.

14) Grouping Multidimensional Data: Recent Advances in Clustering
Edited by Jacob Kogan, Charles Nicholas, and Marc Teboulle.

15) Intelligent Systems for Engineers and Scientists
by Adrian A. Hopgood.
ISBN = 0-8493-0456-3

16) MAKING SENSE OF DATA II:
A Practical Guide to Data Visualization, Advanced Data Mining Methods, and Applications
by Glenn J. Myatt and Wayne P. Johnson.
Skipped Appendix B (The Tracis Data Exploration Studio Software)

*** Radar:

1) Radar Principles for the Non-Specialist
by J. C. Toomay.
Including: Attempts at ALL examples and problems.

2) Introduction To Airborn Radar
by George W. Stimson.
ISBN = 0-78-033491-4

**** Radar (Video):

1) Introduction to Radar Systems Course 2000
by Robert O’Donnell.
Tapes: 1-7,10

2) Radar Systems Course 1994-1995
by Robert O’Donnel.
Lecture #4: Radar Clutter.

by Dan E. Dudgeon.

4) Automatic Target Recognition Course 1998
Tapes: 1-1,4,21 of 24

*** Random Processes:

**** Random Processes (Video):

1) Random Processes
BooksRead.txt

Introduction to Random Processes: Tapes 1-4, 6-7 of 7
Linear Systems: Tapes 1-8 of 12
Part III: ??: None of 8
Poisson Processes: Tapes 1-5 of 5
Part V: ??: None of 6
Part VI: ??: None of 7
Part VII: ??: None of 3
by Professor Harry L. Van Trees.

* Mathematics:

** Applied Mathematics:

*** Popularizations:

1) Towing Icebergs, Falling Dominoes and Other Adventures in Applied Mathematics
by Robert B. Banks.
ISBN = 0-691-05948-9
Excluding: Problems and Exercises.
2) Slicing Pizzas, Racing Turtles, and Further Adventures in Applied Mathematics
by Robert B. Banks.
Including: Attempts at MANY problems and exercises.
ISBN = 0-691-05947-0

** Approximation Theory:

1) APPROXIMATION THEORY: FROM TAYLOR POLYNOMIALS TO WAVELETS
by Ole Christensen and Khadija L. Christensen.
Including: Attempts at ALL problems and exercises.

** Calculus:

1) Calculus
by William E. Boyce and Richard C. DiPrima.
Including: Attempts at most examples and problems.
2) Introduction to REAL ANALYSIS: Second Edition
by Robert G. Bartle and Donald R. Sherbert.
Including: Attempts at most examples and problems.
3) INTRODUCTION TO INFINITE SERIES
by William F. Osgood.
Excluding: Problems and Exercises.

** Combinatorics:

1) East Side, West Side
by Herbert S. Wilf.
${HOME}/Projects/Reading/EBooks/Wilf/eastwest.pdf
Excluding: Problems and exercises.
2) Generatingfunctionology: Second Edition
by Herbert S. Wilf.
ISBN = 0127519564
${HOME}/Projects/Reading/EBooks/Wilf/gfology/gfology.pdf
Including: Attempts at ALL problems and exercises.
3) Combinatorial Algorithms: An Update
by Herbert S. Wilf.
ISBN = 0-89871-231-9
Excluding: Problems and exercises.

** Difference Equations:

1) Difference Equations: An Introduction with Applications
by Walter G. Kelley and Allan C. Peterson.
ISBN = 0-12-403325-3
Including: Attempts at most examples and problems.

2) Discrete Hamiltonian Systems:
   Difference Equations, Continued Fractions, and Riccati Equations
by Calvin D. Ahlbrandt and Allan C. Peterson.
ISBN = 0-7923-4277-1
Including: Attempts at most examples and problems.

3) LINEAR DIFFERENCE EQUATIONS
by Kenneth S. Miller.

** Econometrics:
1) Applied Econometrics using MATLAB
   by James P. LeSage.
2) Econometric Theory and Methods
   by Russell Davidson and James G. MacKinnon.
3) Modeling Non-Stationary Time Series: A Multivariate Approach
   by Simon P. Burke and John Hunter
   Excluding: "Notes" section at the end of the book.

** Functional Analysis:
1) FOURIER ANALYSIS AND GENERALIZED FUNCTIONS
   STUDENTS’ EDITION
   by M. J. Lighthill F.R.S.
   Including: Attempts at ALL examples and problems.
2) A First Look at Numerical Functional Analysis
   by Walter Warwick Sawyer.
   ISBN = 0-19-859629-4
   Including: Attempts at ALL problems and exercises.

** Game Theory:
1) Two-Person Game Theory
   by Anatol Rapoport.

** Geometry:
1) PRACTICAL CONIC SECTIONS:
   THE GEOMETRIC PROPERTIES OF ELLIPSES, PARABOLAS AND HYPERBOLAS
   by J. W. Downs.
   ISBN = 0-486-42876-1

** Graph Theory:
1) Introduction to Graph Theory
   by Richard J. Trudeau.
   Including: Attempts at ALL problems and exercises.

** Linear Algebra:
1) INTRODUCTION TO LINEAR ALGEBRA: Second Edition
   by Gilbert Strang.
   Including: Attempts at ALL exercises and problems.
2) Elementary Linear Algebra: Second Edition
   by Roland E. Larson and Bruce H. Edwards.
   Including: Attempts at most examples and problems.
3) APPLIED LINEAR ALGEBRA: The Decoupling Principle
by Lorenzo Sadun.
Including: Attempts at a FEW problems and examples.

4) LINEAR ALGEBRA AND ITS APPLICATIONS: THIRD EDITION
by Gilbert Strang.

*** Numerical Linear Algebra:

1) Fundamentals of MATRIX COMPUTATIONS
by David S. Watkins.
Including: Attempts at most examples and problems.

*** Linear Algebra Video:

1) Matrices I Have Met
by Paul Halmos.

** Mathematical Finance:

1) Financial Calculus: An introduction to derivative pricing
by Martin Baxter and Andrew Rennie.
ISBN = 0 521 55289 3
Including: Attempts at ALL problems.

2) An Elementary Introduction to Mathematical Finance
Options and Other Topics: Second Edition
by Sheldon M. Ross.
ISBN = 0 521 81429 4
Including: Attempts at SOME examples and problems.

3) Finite difference methods in financial engineering:
   A Partial Differential Equation Approach
by Daniel J. Duffy.
ISBN-13 = 978-0-470-85882-0

4) Numerical Methods in Finance and Economics:
   A MATLAB-Based Introduction: Second Edition
by Paolo Brandimarte.

5) C++ Design Patterns and Derivatives Pricing: Second edition
by Mark S. Joshi.

6) MODELING Derivatives in C++
by Justin London.

7) Computational Finance Using C and C#
by George Levy.
Including: A notes and problem solutions write up.

8) Optimal Portfolio Modeling:
   Models to Maximize Return and Control Risk in Excel and R
by Philip J. McDonnell.
Excluding: Appendix 3 (Introduction to R)
Excluding: Appendix 4 (R Language Definition)

9) Paul Wilmott on Quantitative Finance: Volume 1
by Paul Wilmott.
ISBN = 0-471-87438-8

*** Mathematical Finance (Video Classes):

1) Introduction to Option Pricing
Video Tapes #1-1 of ?
by Bruce Grundy.
Susquehanna Education Department
*** Popularizations:

1) A Mathematician Plays the Stock Market
   by John Allen Paulos.
2) A Random Walk Down Wall Street:
   Completely Revised and Updated Eighth Edition
   by Burton Gordon Malkiel.
   ISBN = 0393325350
3) FOOLED BY RANDOMNESS: The Hidden Role of Chance in the Markets and in Life
   by Nassim Nicholas Taleb.
   ISBN = 1-58799-071-7

** Mathematical Modeling:

1) Mathematical Modeling Techniques
   by Rutherford Aris.

** Numerics:

1) A Multigrid Tutorial
   by William L. Briggs.
   ISBN = 0-89871-221-1
   Including: Attempts at ALL examples and problems.
2) Numerical Algorithms with Fortran
   by Gisela Engeln-Mullges and Frank Uhlig.
   ISBN = 3-540-54060-529-0
3) Computational Methods for INVERSE PROBLEMS
   by Curtis R. Vogel.
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