1. Introduction
2. Mathematical Functions
3. Random Numbers
4. Linear Systems of Equations and Linear Least-Squares
5. Matrix Eigenvalues and Eigenvectors
6. Matrix-Vector Utility Subprograms
7. Polynomial Rootfinding
8. Nonlinear Equation Solving
9. Minimization
10. Finite Fourier Transforms
11. Curve Fitting
12. Table Lookup & Interpolation
13. Definite Integrals (Quadrature)
14. Ordinary Differential Equations
15. Statistics
16. Graphics
17. Special Arithmetic
18. Sorting
19. Library Utilities
A. Files Required by Each Entry
B. Entry Names and Common Block Names
C. Usage of the *mathc90 Library*
D. Function Prototypes for the mathc90 Library