BASIC SOFTWARE LIBRARY

This is to acquaint you with the information that fills the "Basic Software Library". This Library is the most comprehensive work done of its kind to date. There are other software books on the market today but they are dedicated to computer games. The intention of this work is to allow the average individual the capability to easily perform useful and productive tasks with a computer. All of the programs contained within this Library have been thoroughly tested and executed on several systems. Included with each program is a description of the program, a list of potential users, instructions for execution and possible limitations that may arise when running it on various systems. Listed in the limitation section is the amount of memory that is required to store and execute the program in K Bytes.

Volume I contains Business and Recreational programs and is 300 pages long. Volume II is 260 pages long and contains Math, Engineering, Statistics and Plotting programs. Volume III contains money managing Advanced Business programs such as Billing, A/R, Inventory, Payroll, etc. All the volumes are printed on standard 8½" x 11" paper.

Each program's source code is listed in full detail. These source code listings are not reduced in size but are shown full size for increased readability. Almost every program is self instructing and prompts the user for all required running data. Immediately following the source code listing for most of the programs is a sample executed run of the program.

This Library is destined to become one of the reference bibles for the small computer field, due to its versatility and uniqueness and the ease of operation of the programs it contains. These volumes are deductible as a business expense when purchased by a company. Fill in the form at the bottom of this page and return it with your remittance for prompt delivery, while supplies last. Volume discounts are available to qualified users.

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PLOT:

DESCRIPTION

This versatile plott

single variable simu

dard teletype or te

```
100 REM THIS IS      PSD
110 REM THIS IS IN BASIC
120 REM IF G9=1 IT CALC. ONE WINDOW
130 REM IF G9=2 IT CALC. TWO WINDOWS & TWO PSD'S
140 REM IT IS A POWER SPECTRAL DENSITY PROGRAM.
150 REM IF S1 IS 0 IT DOES THE TIME DOMAIN TO FREQ. TRANSFORM
160 REM IF S1 IS 1 IT DOES THE REVERSE TRANSFORM.
170 REM INPUT SHOULD BE SYMM. ABOUT THE PT. (1+N/2)
180 REM FOR INSTRUCTIONS SEE FILE
190 DIM X(        '256),T(256),U(192),Z(512)
200 PRINT
210 PRINT
220 PRINT
230 PRINT
240 PRINT
```

INSTALLMENT:

DESCRIPTION

"CALCULATES POWER SPECTRAL DENSITIES"

This program computes the monthly payment schedules for a borrower

installment loan. Interest and insurance are amortized using the su

the- months method. The loan payments are prorated over the life of

loan. Shown in the print out are the remaining balance (principal),

off balance (p

earned interes

USERS

Experimenters

of functions.

functions can

INSTRUCTIONS

Before the pr

100 of the pr

list program

LIMITATIONS

This program

of available

CHECKERS:

DESCRIPTION

In this game you

computer is Black

limit so don't ta

to recognize one,

opponent. The com

The computer adva

highest priority

This game is very

USERS

Anyone of any age

INSTRUCTIONS

List the program

USERS

This program

print out one

tax purposes,

required to p

a lender to k

INSTRUCTIONS

To use the pr

new data in t

*1090, Name,

*1100 Beginni

amount, in

```
001 PRINT
002 PRINT
003 PRINT
004 PRINT
005 PRINT
006PRINT"                      MMMMMM.      "
007PRINT"                      MMMMMMMMMM::'':.
008PRINT"                      MMMMMMMMMM''      :.
009PRINT"                      MMMMMMMMM'        :
010PRINT"                      MMMMMMM:          .:
011PRINT"                      MMMMMMM.         .:...
012PRINT"                      MMMMMMMM.       .:.....
013PRINT"                      MMMMMMMM       ..:......
014PRINT"                      MMMMMMM.::::.....:......
015PRINT"                      UMMMMMU...............
016PRINT"                      MMMMU....'---'',,,  ..
017PRINT"                      UMMU.....WA:  ,AWU,U ..
018PRINT"                      UU..... ;       ...
019PRINT"                      ......  . ;     ...
020PRINT"                      ......:;    'X-X'  ....
021PRINT"                      ......:::  ''...'' ....
022PRINT"                      ......:::  :.. ....
023PRINT"                      ......:::;.       .:.....
024PRINT"                      .......:..:'',,-':......
025PRINT"         AM           .......  ......
```

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Preface

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