contributor's guide

HP-65 Users' Library

Hewlett-Packard Company

CONTRIBUTOR'S GUIDE

INTRODUCTION

Hewlett-Packard's HP-65 Users' Library is a collection and distribution center for user contributed and Hewlett-Packard developed application programs. Its purpose is to provide a means by which HP-65 programmable calculator users can obtain application programs meeting common needs. Through the Library, these individual programs are made available to all HP-65 users for a nominal handling charge. Active participation on your part, as a contributor, is the key to providing needed and useful programs. We urge you to document and submit those programs you feel might be of value to others.

In appreciation for any accepted program, you will receive one Library program of your choice, as well as a package of 10 blank magnetic cards, compliments of the Library. In addition, you will receive full author credit in the "Catalog of Contributed Programs", a periodic publication containing abstracts of every Library program.

Documenting a Program

This Guide explains the proper documentation procedures and contains two (2) complete sets of the standard documentation forms. Each set provides for the documentation of one program, one or two magnetic cards in length (or up to 200 program steps).

The complete program submittal package consists of at least one of each of the following:

1. Program Submittal
2. Program Description I
3. Program Description II
4. HP-65 User Instructions
5. HP-65 Program Form
6. Recorded magnetic card

When submitted, the above documentation package becomes the property of the Library and is retained by it for testing and reviewing purposes.

In order to make the Library's services available to HP-65 users at the lowest possible cost, program requests are filled by photocopying forms 2 through 5 above. For this reason, it is important that:

1. All documentation be typed or legibly printed in black or blue-black ink.
2. You submit your original documentation (no photocopies please)
3. You use original HP-65 Users' Library forms—documentation on photocopies of the forms or on other forms (e.g., from the HP-65 Program Forms pad) is not acceptable.

Please read carefully through the completed sample forms shown in this guide for further detailed instructions on documenting your program.

Program Acceptance

The Library's staff reviews all submittals, checking for duplicate entries, clear and complete documentation, legibility, and ability to perform a sample problem(s). If a program is not accepted into the Library, the complete submittal package is returned with a letter of explanation. If accepted, we notify you by letter and give you the assigned Library number for your program. At this time, you also receive your selected program and complimentary magnetic cards.

Library Maintenance Policies

The Library contains two types of programs: Hewlett-Packard supported and user contributed. Hewlett-Packard supported programs are officially developed and tested by the Hewlett-Packard Company which assumes responsibility for maintaining them.

User contributed programs are submitted by individual HP-65 users. The wide range of application areas for which HP-65 programs may be written and the technical knowledge demanded by them make it impractical for the Library to support these programs. We, therefore, ask each contributor's assistance. We request that each contributor's name and address be filled out on Program Description I to allow direct user-to-contributor contact for answering questions on the program. With every requested program, the Library distributes a "Program Comment" form on which users can directly report to the Library any logic or documentation errors, suggest possible program modifications, or otherwise remark on a program's general performance. In the event an error is reported, the program is temporarily placed on "unavailable" status. The Library will then notify the contributor and request his assistance in resolving it. No response to a program error notification may result in the program's removal from the Library. If a user suggests possible changes to a program which might clarify documentation, add more versatility to it, improve its efficiency, or otherwise enhance its ability to perform without altering its intended function, the Library will review and then also forward these suggestions. Suggestions may be made by any user, but the contributor must agree to and submit the official change to the Library. To do so, only those documentation forms and/or magnetic card(s) affected by the revision need be resubmitted along with a new Program Submittal form.

Mailing Procedures

The Library can provide a valuable source of inexpensive programs for you as an HP-65 user. Help contribute to its effectiveness by documenting those programs you consider of interest to others and forwarding them to:

HP-65 Users' Library
Hewlett-Packard Company
19310 Pruneridge Avenue
Cupertino, California 95014

A pre-addressed envelope is enclosed for your mailing convenience. When mailing, please do not fold or staple the forms.

Sample Documentation

PROGRAM SUBMITTAL

Note: ***Please type or print neatly using black or blue-black ink only. This form is retained by the Library and used to input catalog information into a computer. It is not shipped with program orders.***

(1) **New Program**
Check this box if submittal is new to the Library or a resubmittal of a previously rejected program.

(2) **Revision to Program Number**
Check this box if submittal is a revision to an existing Library program. Write in Library program number being revised (five digits followed by one letter). Only the author may submit revisions to a program. See Library Maintenance Policies, page 2, for procedures concerning comments on another author's program.

(3) **HP-65 Serial Number**
Write in the serial number of the HP-65 calculator used to record your magnetic card(s). You will find this number in the battery compartment located on the underside of your calculator.

(4) **Program Title**
Enter program title in space provided. Underline one or two keywords.

(5) **Keyword(s)**
Write in the keyword(s) underlined in your program's title.

(6) **Number of Steps**
Enter the total number of program steps used on the HP-65 Program Form(s) to list your program.

(7) **Category Number**
Turn to the Application Category Table in this guide and identify the most appropriate category into which your program fits. Classify down to the lowest category level possible. Write in the respective category number here.

(8) **Category Name**
Enter the category name corresponding to the number shown above.

(9) **Abstract**
Provide a brief description of your program. If your program is similiar to one already in the Library, highlight the unique features of yours without referring directly to the other program.

Since your abstract will be printed by a computer using a standard character set, no lower case letters, subscripts, or superscripts can be used and special characters are limited to those shown below:

$ @ % * ( ) + = – / & ¢ < > ! : ; ' " ? . ,

Please avoid using symbols in your abstract. When unavoidable, use the following examples as guidelines:

Symbol	How to Write	Symbol	How to Write	Symbol	How to Write	Symbol	How to Write
x^a	X**A	$\sqrt[n]{x}$	X**1/N	x÷y	X/Y	R_2	R2
$\sqrt[2]{x}$	X**½	x·y	X*Y	e^x	EXP(X)	X_i	XI

(10) **Contributor's Name and Address**
Write in your name and mailing address.

(11) **Program Choice**
Indicate the Library number assigned to the program you wish sent if your program is accepted. Provide an alternate selection in the event your first choice is unavailable.

(12) **Submittal Checklist**
Use this checklist to make sure you have completed each of the necessary items for program submittal. Mark each box to the left of each listed item before mailing.

(13) **Acknowledgement and Agreement**
Please read this statement carefully. It must be signed and dated before a program can be considered as a contribution to the Library.

HP-65 Users Library

Program Submittal

1. [X] New Program
2. [ ] Revision to Program No.
3. **HP-65 Serial No.** 1333A01080
4. **Program Title** (Underline 1 or 2 Keywords) MEAN, STANDARD DEVIATION, STANDARD ERROR
5. **Keyword(s)** (Underlined in Title) 1 MEAN; 2 DEVIATION
6. **No. of Steps** 81
7. **Category No.** 04.01
8. **Category Name** GENERAL STATISTICS
9. **Abstract-** 75 Word Maximum

COMPUTES MEAN, STANDARD DEVIATION, AND STANDARD ERROR FOR A GIVEN SET OF DATA POINTS (UNGROUPED DATA).

10. **Name** JOHN (First) L. (Initial) DOE (Last)
    Address 111 MAIN STREET
    City ANYTOWN **State** TEXAS **Zip Code** 77925
11. **Program Choice:** Enter number of program you would like to receive if your program is accepted into the library.

    00060A (First Choice) 00004A (Alternate Choice)

12. **Submittal Checklist:** Please use the checklist below to insure submittal of all the proper program documentation.

- [☑] Program Submittal
- [☑] Program Description I
- [☑] Program Description II
- [☑] HP-65 User Instructions
- [☑] HP-65 Program Form(s)
- [☑] Magnetic Card(s)

13. ACKNOWLEDGMENT AND AGREEMENT

To the best of my knowledge, I have the right to contribute this program material without breaching any obligation concerning nondisclosure of proprietary or confidential information of other persons or organizations. I am contributing this program material on a nonconfidential nonobligatory basis to Hewlett-Packard Company ("HP") for inclusion in its program library, and I agree that HP may use, duplicate, modify, publish, and sell the program material, and authorize others to do so without obligation or liability of any kind. HP may publish my name and address, as the contributor, to facilitate user inquiries pertaining to this program material.

Signature _____ Date _____

PROGRAM DESCRIPTION I

Note: ***Please type or print neatly using black or blue-black ink only. A photocopy of this form is shipped when your program is ordered.***

(1) **Page Number**
Beginning with this form, sequentially number the remaining pages of your program documentation package.

(2) **Program Title**
Enter program title as shown on the Program Submittal form.

(3) **Contributor's Name and Address**
Enter your name and mailing address.

(4) **Program Description, equations, variables**
Provide a detailed description of your program. **Since the abstract given on the Program Submittal form is not shipped with program orders, you should duplicate all or part of it here.** Make sure you include such information as program application, basic logic used, equations used, and any special considerations which should be pointed out, e.g., is program linked to another program.

(5) **Operating Limits and Warnings**
Note any limits to your program's operating ability or accuracy. Also, warn users of any problems that may be encountered during program usage.

HP-65 Users Library

Program Description I

Program Title MEAN, STANDARD DEVIATION, STANDARD ERROR

Contributor's Name John L. Doe

Address 111 Main Street

City Anytown **State** Texas **Zip Code** 79925

Program Description, Equations, Variables

Given a set of data points

$$\{x_1, x_2, \ldots, x_n\}$$

the program computes the following statistics:

$$\text{mean } \bar{x} = \frac{1}{n}\sum_{i=1}^{n} x_i$$

$$\text{standard deviation } s_x = \sqrt{\frac{\Sigma x_i^2 - n\bar{x}^2}{n-1}}$$

$$\left(\text{or } s_x' = \sqrt{\frac{\Sigma x_i^2 - n\bar{x}^2}{n}}\right)$$

$$\text{standard error of the mean } s_{\bar{x}} = \frac{s_x}{\sqrt{n}}$$

$$\left(\text{or } s_{\bar{x}}' = \frac{s_x'}{\sqrt{n}}\right)$$

To remove erroneous data, key in that data value and press [E]. "Σ−" is the operational inverse of "Σ+".

Operating Limits and Warnings

n is a positive integer and $n > 1$.

PROGRAM DESCRIPTION II

Note: ***Please type or print neatly using black or blue-black ink only. A photocopy of this form is shipped when your program is ordered.***

(1) **Page Number**
Sequentially number each page of your documentation package.

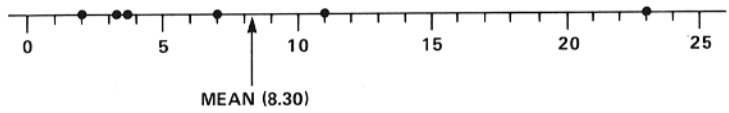
(2) **Sketch(es)**
Draw a sketch(es) (if applicable) that might help the user understand the logic of your program. This sketch may be used in conjunction with your program description and/or sample problem. For example, the sketch shown on the adjacent page depicts points on a line and shows the mean of these points.

(3) **Sample Problem(s)**
Provide a sample problem(s) that can be solved using your program. If more than one sample is given, sequentially number each of them.

(4) **Solution(s)**
Show the keystroke solutions for the sample problem(s) stated above. Number the problem(s) as in (3) above, and identify answers. Include intermediate results that may help the user follow the solution.

(5) **Reference(s)**
Direct the user to helpful reference material, e.g., texts from which mathematical formulas or algorithms were obtained. List reference(s) in bibliographic format, i.e., name of author, title of publication, edition, volume, page, publisher, and copyright year.

(2) **Sketch(es)**



(3) **Sample Problem(s)**

Find the mean, standard deviation, and standard error for the following data (represented on the line above):

$\{2, 3.4, 7, 11, 23, 3.41\}$

(4) **Solution(s)**

2 [A] 3.4 [A] 7 [A] 11 [A] 23 [A] 3.41 [A] [B] →	8.30 ($\bar{x}$)
[C] →	7.91 (s_x)
[R/S] →	7.22 (s_x')
[D] →	3.23 ($s_{\bar{x}}$)
[R/S] →	2.95 ($s_{\bar{x}}'$)

(5) **Reference(s)**

Freund, John E., Mathematical Statistics, second edition, pgs. 197, 210, 256, Prentice-Hall, 1971.

HP-65 USER INSTRUCTIONS

Note: ***Please type or print neatly using black or blue-black ink only. A photocopy of this form is shipped when your program is ordered.***

This form is the only part of your program documentation the user will continually refer to when running your program. For this reason, please be sure that all information given on this form is complete and concise.

(1) **Page Number**
Sequentially number each page in your documentation package.

(2) **Magnetic Card(s)**
Label the magnetic card(s) exactly as you have your recorded magnetic card(s). When submitting two or more cards, sequentially number each of them in the upper right-hand corner. Be sure to protect your recorded card(s) by clipping the upper left-hand corner as shown in the diagrams.

(3) **Steps**
Use the following rules-of-thumb for numbering the operational steps:

a. Number and list each step in order of execution.

b. If the user has a choice in what he does, number these choices with the same step number and separate these operations with the word "or". For example, in the sample shown, the user has a choice of computing "$\bar{x}$", "s_x", or "$s_{\bar{x}}$", depending on his needs. Therefore, each of these options is given the same step number, "4".

c. If an instruction is "optional", or not an essential step to perform, it does not have to be numbered. In our example, "s_x'" may be found by pushing "R/S", however, this step is not essential to solving the problem.

(4) **Instructions**
Briefly describe the action required in each step. Use the following rules-of-thumb when completing this portion:

a. Step 1 should always instruct the user to "Enter Program", as in the adjacent sample.

b. If the user must "initialize" the calculator to run your program, i.e., clear the stack, registers, flags, etc., Step 2 should then instruct him in how to do so. In our example, the program is "initialized" by pressing "RTN" "R/S".

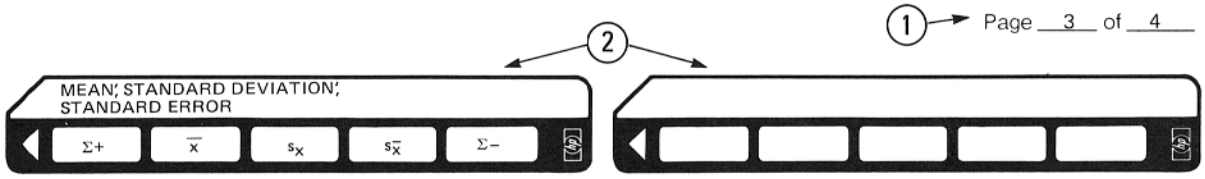
c. Include helpful explanatory notes, e.g., how to correct erroneous inputs, which step to return to for a new case, etc. (see sample).

(5) **Input Data/Units**
Write in the variable names for input data and the appropriate units (when applicable) in which this data should be entered.

(6) **Keys**
Show which keys should be pressed to execute each step. Write key symbols exactly as they appear on the HP-65 keyboard.

(7) **Output Data/Units**
Write in variable names for output data and the appropriate units (when applicable) in which this data appears.

HP-65 User Instructions



(3) STEP	(4) INSTRUCTIONS (5)	INPUT DATA/UNITS	(6) KEYS	OUTPUT DATA/UNITS (7)
1	Enter program			
2	Initialize		RTN R/S	
3	Perform step 3 for i = 1, 2, ..., n	x_i	A	i
	(To correct erroneous data re-			
	enter "x_k" value)	x_k	E	
4	Compute $\bar{x}$		B	$\bar{x}$
	or			
4	Compute s_x		C	s_x
	(Optional)		R/S	s_x'
	or			
4	Compute $s_{\bar{x}}$		D	$s_{\bar{x}}$
	(Optional)		R/S	$s_{\bar{x}}'$
	(For a new case, go to step 2)			
	(After a step 4 is done it is not			
	necessary to do steps 1, 2, and			
	3 over before another step 4 is			
	done.)			

HP-65 PROGRAM FORM

Note: ***Please type or print neatly using black or blue-black ink only. A photocopy of this form is shipped when your program is ordered.***

This form shows the program steps required to key your program into memory. Each HP-65 Program Form documents a program up to 100 program steps in length (one magnetic card). Programs exceeding 100 steps require an additional form(s).

(1) **Page Number**
Sequentially number each page in your documentation package.

(2) **Key Entry**
Always list one keystroke per line except in the case of merged operations which should be shown on the same line, e.g., g x>y.

(3) **Code Shown**
Enter the code corresponding to (2) above. Always write the code directly across from the keystroke (or keystrokes for merged operations) to which it pertains.

(4) **Comments**
To assist the user in understanding operational steps or routines within your program, provide enough explanatory comments to indicate what is taking place within the program.

(5) **Registers**
List the variables or constants retained by each register. If the contents of a register change frequently throughout the program, you may write in the word "used".

(6) **Labels**
Indicate the function of each label key.

(7) **Flags**
Indicate flag usage within the program.

Please double check your listing against your recorded magnetic card by reading your card into the calculator and single stepping ("SST") through your program.

HP-65 Program Form

HP-65 Users Library

(2) SWITCH TO W/PRGM. (3) PRESS [f] [PRGM] TO CLEAR MEMORY.

(1) Page 4 of 4

KEY ENTRY	CODE SHOWN	(4) COMMENTS
0	00	Initialize
STO 1	33 01	
STO 2	33 02	Store 0 in R_1, R_2, R_3
STO 3	33 03	
R/S	84	
LBL	23	Accumulate the sums
A	11	
STO	33	
+	61	
2	02	$x_i + r_2 \rightarrow R_2$
f^{-1}	32	
$\sqrt{x}$	09	x_i^2
STO	33	
+	61	
3	03	$x_i^2 + r_3 \rightarrow R_3$
RCL 1	34 01	
1	01	
+	61	
STO 1	33 01	$1 + r_1 \rightarrow R_1$
RTN	24	Display number of points entered
LBL	23	
B	12	Compute the mean $\bar{x}$
RCL 2	34 02	
RCL 1	34 01	
÷	81	
RTN	24	
LBL	23	Compute s_x and s_x'
C	13	
RCL 3	34 03	
RCL 2	34 02	
RCL 1	34 01	
÷	81	$\bar{x}$
f^{-1}	32	
$\sqrt{x}$	09	$\bar{x}^2$
RCL 1	34 01	
x	71	$n\bar{x}^2$
–	51	$\Sigma x_i^2 - n\bar{x}^2$
RCL 1	34 01	
÷	81	
f	31	
$\sqrt{x}$	09	s_x'
RCL 1	34 01	
RCL 1	34 01	
1	01	
–	51	n – 1
÷	81	n/n – 1
f	31	
$\sqrt{x}$	09	
x	71	
RTN	24	Display s_x

KEY ENTRY	CODE SHOWN	COMMENTS
g $x \rightleftarrows y$	35 07	Display s_x'
R/S	84	
LBL	23	Compute $s_{\bar{x}}$ and $s_{\bar{x}}'$
D	14	
C	13	s_x
RCL 1	34 01	
f	31	
$\sqrt{x}$	09	$\sqrt{n}$
÷	81	s_x
g $x \rightleftarrows y$	35 07	s_x'
g LST X	35 00	$\sqrt{x}$
÷	81	$s_{\bar{x}}'$
g $x \rightleftarrows y$	35 07	
R/S	84	Display $s_{\bar{x}}$
g $x \rightleftarrows y$	35 07	
RTN	24	Display $s_{\bar{x}}'$
LBL	23	
E	15	Error corrector
STO	33	
–	51	
2	02	$r_2 - x_k \rightarrow R_2$
f^{-1}	32	
$\sqrt{x}$	09	x_k^2
STO	33	
–	51	
3	03	$r_3 - x_k^2 \rightarrow R_3$
RCL 1	34 01	
1	01	
–	51	$r_1 - 1 \rightarrow R_1$
STO 1	33 01	
RTN	24	

(5) REGISTERS

R_1	n
R_2	Σx_i
R_3	Σx_i^2
R_4	
R_5	
R_6	
R_7	
R_8	
R_9	

(6) LABELS

A	$\Sigma+$
B	$\bar{x}$
C	s_x
D	$s_{\bar{x}}$
E	$\Sigma-$
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

(7) FLAGS

1	
2	

TO RECORD PROGRAM INSERT MAGNETIC CARD WITH SWITCH SET AT W/PRGM.

Application Category Table
and
Documentation Forms

APPLICATION CATEGORY TABLE

01. Business

- 01.01 Accounting
- 01.02 Loans
- 01.03 Savings and Annuities
- 01.04 Investment Analysis
- 01.05 Real Estate
- 01.06 Securities
- 01.07 Personal Finances
- 01.08 Inventory Control
- 01.09 Leasing
- 01.99 Other

02. Engineering/Physics

- 02.01 Thermodynamics
- 02.02 Heat Transfer
- 02.03 Mass Transfer
- 02.04 Fluid Mechanics
- 02.05 Nuclear Applications
- 02.06 Statics
- 02.07 Dynamics
- 02.08 Optics
- 02.09 Materials Science
- 02.10 Structural Design/Analysis
- 02.11 Machine Design
- 02.12 Circuits
- 02.13 Fields and Wave Mechanics
- 02.14 Solid State Devices
- 02.15 Servo Systems
- 02.99 Other

03. Math and Numerical Analysis

- 03.01 Number Theory
- 03.02 Series/Sequences/Progresssions
- 03.03 Polynomials
- 03.04 Trig/Analytic Geometry
- 03.05 Integration
- 03.06 Differential Equations
- 03.07 Complex Variables
- 03.08 Special Functions
- 03.09 Interpolation
- 03.10 Linear Systems/Matrices
- 03.11 Computer Science
- 03.99 Other

04. Probability & Statistics

- 04.01 General Statistics
- 04.02 Probability
- 04.03 Probability Distribution
- 04.04 Curve Fit/Regression/Correl.
- 04.05 Analysis of Variance
- 04.06 Parametric Inference
- 04.07 Non-Parametric Inference
- 04.08 Quality Assurance/Reliability
- 04.99 Other

05. Social & Natural Sciences

- 05.01 Social & Behavioral Sciences
- 05.02 Medical Sciences
- 05.03 Chemistry
- 05.04 Biology
- 05.05 Earth Sciences
- 05.06 Astronomy
- 05.99 Other

99. Other

- 99.01 Aviation
- 99.02 Marine Navigation
- 99.03 Surveying
- 99.98 Games
- 99.99 Other

HP-65 Users' Library

Program Submittal

☐ **New Program**

☐ **Revision to Program No.**

HP-65 Serial No.

Program Title
Underline 1 or 2 Keywords

Keyword(s) 1
Underlined in Title 2

No. of Steps

Category No.

Category Name

Abstract- 75 Word Maximum

Name First Initial Last

Address

City **State** **Zip Code**

Program Choice: Enter number of program you would like to receive if your program is accepted into the library.

First Choice Alternate Choice

Submittal Checklist: Please use the checklist below to insure submittal of all the proper program documentation.

☐ **Program Submittal**
☐ **Program Description I**
☐ **Program Description II**
☐ **HP-65 User Instructions**
☐ **HP-65 Program Form(s)**
☐ **Magnetic Card (s)**

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Signature _____ Date _____

HP-65 Users' Library

Program Description I

Program Title

Contributor's Name

Address

City **State** **Zip Code**

Program Description, Equations, Variables

Operating Limits and Warnings

HP-65 Users' Library

Program Description II

Page _____ of _____

Sketch(es)

Sample Problem(s)

Solution(s)

Reference(s)

HP-65 Users' Library

HP-65 User Instructions

STEP	INSTRUCTIONS	INPUT DATA/UNITS	KEYS	OUTPUT DATA/UNITS

HP-65 Program Form

HP-65 Users' Library

SWITCH TO W/PRGM. PRESS [f] [PRGM] TO CLEAR MEMORY.

Page ____ of ____

KEY ENTRY	CODE SHOWN	COMMENTS

KEY ENTRY	CODE SHOWN	COMMENTS

REGISTERS

R1 ____

R2 ____

R3 ____

R4 ____

R5 ____

R6 ____

R7 ____

R8 ____

R9 ____

LABELS

A ____
B ____
C ____
D ____
E ____
0 ____
1 ____
2 ____
3 ____
4 ____
5 ____
6 ____
7 ____
8 ____
9 ____

FLAGS

1 ____

2 ____

TO RECORD PROGRAM INSERT MAGNETIC CARD WITH SWITCH SET AT W/PRGM.

HP-65 Users' Library

HP-65 Program Form

SWITCH TO W/PRGM. PRESS [f] [PRGM] TO CLEAR MEMORY.

Page _____ of _____

KEY ENTRY	CODE SHOWN	COMMENTS

KEY ENTRY	CODE SHOWN	COMMENTS

REGISTERS

R_1 _____

R_2 _____

R_3 _____

R_4 _____

R_5 _____

R_6 _____

R_7 _____

R_8 _____

R_9 _____

LABELS

A _____
B _____
C _____
D _____
E _____
0 _____
1 _____
2 _____
3 _____
4 _____
5 _____
6 _____
7 _____
8 _____
9 _____

FLAGS

1 _____

2 _____

TO RECORD PROGRAM INSERT MAGNETIC CARD WITH SWITCH SET AT W/PRGM.

HP-65 Users' Library

Program Submittal

☐ **New Program**

☐ **Revision to Program No.**

HP-65 Serial No.

Program Title
Underline 1 or 2 Keywords

Keyword(s) 1
Underlined in Title 2

No. of Steps

Category No.

Category Name

Abstract- 75 Word Maximum

Name
First Initial Last

Address

City **State** **Zip Code**

Program Choice: **Enter number of program you would like to receive if your program is accepted into the library.**

First Choice Alternate Choice

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☐ **HP-65 User Instructions**
☐ **HP-65 Program Form(s)**
☐ **Magnetic Card(s)**

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Signature _____ Date _____

HP-65 Users' Library

Program Description I

Program Title

Contributor's Name

Address

City **State** **Zip Code**

Program Description, Equations, Variables

Operating Limits and Warnings

HP-65 Users' Library

Program Description II

Page _____ of _____

Sketch(es)

Sample Problem(s)

Solution(s)

Reference(s)

HP-65 User Instructions

STEP	INSTRUCTIONS	INPUT DATA/UNITS	KEYS	OUTPUT DATA/UNITS

HP-65 Users' Library

HP-65 Program Form

Page ____ of ____

SWITCH TO W/PRGM. PRESS [f] [PRGM] TO CLEAR MEMORY.

KEY ENTRY	CODE SHOWN	COMMENTS	KEY ENTRY	CODE SHOWN	COMMENTS

REGISTERS

R_1 ____

R_2 ____

R_3 ____

R_4 ____

R_5 ____

R_6 ____

R_7 ____

R_8 ____

R_9 ____

LABELS

A ____
B ____
C ____
D ____
E ____
0 ____
1 ____
2 ____
3 ____
4 ____
5 ____
6 ____
7 ____
8 ____
9 ____

FLAGS

1 ____

2 ____

TO RECORD PROGRAM INSERT MAGNETIC CARD WITH SWITCH SET AT W/PRGM.

HP-65 Program Form

HP-65 Users' Library

SWITCH TO W/PRGM. PRESS [f] [PRGM] TO CLEAR MEMORY.

Page ____ of ____

KEY ENTRY	CODE SHOWN	COMMENTS

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REGISTERS

R_1 ____

R_2 ____

R_3 ____

R_4 ____

R_5 ____

R_6 ____

R_7 ____

R_8 ____

R_9 ____

LABELS

A ____
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2 ____
3 ____
4 ____
5 ____
6 ____
7 ____
8 ____
9 ____

FLAGS

1 ____

2 ____

TO RECORD PROGRAM INSERT MAGNETIC CARD WITH SWITCH SET AT W/PRGM.

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