



Hewlett-Packard Company

CONTRIBUTOR'S GUIDE

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.

New Program

Check this box if submittal is new to the Library or a resubmittal of a previously rejected program.

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.

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

(1)

[2]

(3)

(5)

6

(7)

8

(9)

Enter program title in space provided. Underline one or two keywords.

Keyword(s)

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

Number of Steps

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

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.

Category Name

Enter the category name corresponding to the number shown above.

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:

\$ @ % * () + = - / & $\phi < > ! : ; ' '' ? . ,$

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	n∕x	X**1/N	x÷y	X/Y	R₂	R2
$\sqrt[2]{X}$	X**½	х•у	X*Y	e×	EXP(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.

		Users Library	Program	ı Su	bmittal		
\bigcirc	X New Program						
2	► □ Revision to Program No.						
3	► HP-65 Serial No.	1333A01080					
(4)	Program Title Underline 1 or 2	<u>MEAN, STAN</u>	DARD <u>DEVIA</u>	<u>tion</u> , s'	TANDARD ERRO	DR	
	Keywords			1.1.1			
5	► Keyword(s) ¹	MEAN					
		DEVIATION					
6	► No. of Steps	81					
Ū	► Category No.	04.01					
(8)	Category Name	GENERAL ST	TATISTICS				
Ŭ,	Abstract- 75 Word	Maximum					
9			ARD DEVIATI DUPED DATA).		ID STANDARD E	RROR FOR A	GIVEN SET
	Name	JOHN First		L. Initial		DOE Last	
	Address	111 MAIN ST	REET				
\sim	City	ANYTOWN			State TEXAS	Zip Code	77925
(1)	Program Choice	Enter number		vould like	to receive if your pr	ogram is accepte	ed into the library.
			00060A First Choice		00004A Alternate Choice		
(12)	Submittal Check	list: Please use	the checklist belo	w to insu	re submittal of all th	e proper progran	n documentation.
Ŭ		🗹 Prog	gram Submittal		🗹 HP-65 Use	er Instructions	
		🗹 Prog	gram Description	I	🗹 HP-65 Pro	gram Form(s)	
		🗹 Prog	gram Description	. 11	✓ Magnetic	Card (s)	
(13)	To the best of my kno nondisclosure of prop a nonconfidential non- may use, duplicate, m any kind. HP may pub Signature	rietary or confiden obligatory basis to odify, publish, an	e right to contribut tial information of Hewlett-Packard d sell the program	te this pro other pers Company material, ontributor,	ons or organizations. I ("HP") for inclusion in and authorize others	am contributing th its program librar to do so without o iries pertaining to	is program material on y, and I agree that HP bligation or liability of

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.

Page Number

Beginning with this form, sequentially number the remaining pages of your program documentation package.



(1)

Program Title

Enter program title as shown on the Program Submittal form.



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.



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.



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.

Page Number

1

(2)

(3)

(5)

Sequentially number each page of your documentation package.

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.

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.

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.

	Program Description II	Page _ 2 _ of _ 4
2	Sketch(es)	
		25
3	Sample Problem(s) Find the mean, standard deviation, and standard error for the following data (line above): {2, 3.4, 7, 11, 23, 3.41}	represented on the
4	Solution(s) $2 \land 3.4 \land 7 \land 11 \land 23 \land 3.41 \land B \rightarrow 8.30$ $C \rightarrow 7.91$ $R/S \rightarrow 7.22$	(s _x)
	$R/S \rightarrow$ 7.22 $D \rightarrow$ 3.23 $R/S \rightarrow$ 2.95	(s _x)
(j)	Reference(s) Freund, John E., <u>Mathematical Statistics</u> , 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.



(2)

Page Number

Sequentially number each page in your documentation package.

Magnetic Card(s)

Steps

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

4

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 " \overline{x} ", " s_x ", or " $s_{\overline{x}}$ ", 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.

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).

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

5

7

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

Output Data/Units

Write in variable names for output data and the appropriate units (when applicable) in which this data appears.

		HH [-65 U	ser ins	structio	~	
						1) Pag	e <u>3</u> of _
MEAN; STA	NDARD D D ERROR	EVIATION;		$\neg \frown$			
Σ+	x	s _x s _x	Σ-				
\sim						- 1	
(3)—	STEP		TIONS 5	INPUT DATA/UNITS	6 KEYS	OUTPUT DATA/UNITS	
	1	Enter program]	*
	2	Initialize			RTN R/S]	
	3	Perform step 3 fo	r i = 1, 2,, n	×i	A] i	
		(To correct erron	eous data re-]	
		enter ''x _k '' value)		×k	E]	
	4	Compute \bar{x}			В]	
		or]	
	4	Compute s _x			С	s _x	
		(Optional)			R/S] s _x ′	
		or]	
	4	Compute s _x			D] s _x	
		(Optional)			R/S] s <u>-</u> '	
		(For a new case, g	jo to step 2)]	
		(After a step 4 is	done it is not]	
		necessary to do st	eps 1, 2, and]	
		3 over before ano	ther step 4 is]	
		done.)]	
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				<u> </u>]	1
						1	

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).



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.



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.



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".



7

Labels

Indicate the function of each label key.

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.

	3				\sim	
SWITCH T		ESS f PRGM TO CLEAR MEMORY.			(1)>	Page <u>4</u> of <u>4</u>
KEY ENTRY	CODE SHOWN		KEY ENTRY	CODE SHOWN	COMMENTS	REGISTERS
0	00	Initialize	g x ₹y	35 07	Display s _x '	R ₁ n
STO 1	33 01		R/S	84		
STO 2	33 02	Store 0 in R_1 , R_2 , R_3	LBL	23	Compute $s_{\overline{x}}$ and $s_{\overline{x}}'$	
STO 3	33 03		D	14		$\mathbf{R}_2 \Sigma \mathbf{x}_i$
R/S	84		С	13	s _x	
LBL	23	Accumulate the sums	RCL 1	34 01		
A	11		f	31		$\mathbf{R_3} \Sigma x_i^2$
STO	33		\sqrt{x}	09	√n	
+	61		÷	81	s _x	
2	02	$x_i + r_2 \rightarrow R_2$	g x ₹y	35 07	s _x ′	R4
f ⁻¹	32		g LST X	35 00	\sqrt{x}	
\sqrt{x}	09	xi ²	÷	81	s x ′	
STO	33		g x ₹y	35 07		R ₅
+	61		R/S	84	Display s _x	
3	03	$x_1^2 + r_3 \rightarrow R_3$	g x ≩y	35 07		
RCL 1	34 01		RTN	24	Display s _x '	R ₆
1	01		LBL	23		
+	61		E	15	Error corrector	
STO 1	33 01	$1 + r_1 \rightarrow R_1$	STO	33		R ₇
RTN	24	Display number of points entered	-	51		
LBL	23		2	02	$r_2 - x_k \rightarrow R_2$	
B	12	Compute the mean \overline{x}	f ⁻¹	32		R ₈
RCL 2	34 02		\sqrt{x}	09	x _k ²	
RCL 1	34 01		STO	33	K	
÷	81		_	51		R ₉
RTN	24		3	03	$r_3 - x_k^2 \rightarrow R_3$	
LBL	23	Compute s_x and s_x'	RCL 1	34 01		
C	13		1	01		LABELS 🗲
RCL 3	34 03		_	51	$r_1 - 1 \rightarrow R_1$	Α_Σ+
RCL 2	34 02		STO 1	33 01		B ×
RCL 1	34 01		RTN	24		C s _x
÷	81	x				$D \frac{s_{\overline{x}}}{s_{\overline{x}}}$
f ⁻¹	32					Ε Σ-
\sqrt{x}	09	\overline{x}^2				0
RCL 1	34 01					
x	71	nx ²				2
_	51	$\Sigma x_i^2 - n \overline{x}^2$				3
RCL 1	34 01					4
÷	81					5
f	31					6
\sqrt{x}	09	s _x '				7
RCL 1	34 01					8
RCL 1	34 01					9
1	01					
-	51	n – 1				FLAGS 🗲
÷	81	n/n – 1				1
f	31					
\sqrt{x}	09					2
x	71					
RTN	24	Display s _x				

HP-65 Program Form

Application Category Table and Documentation Forms

APPLICATION CATEGORY TABLE

01.	Busine	SS	04.
	01.01	Accounting	
	01.02	Loans	
	01.03	Savings and Annuities	
	01.04	Investment Analysis	
	01.05		
	01.06	Securities	
	01.07	Personal Finances	
	01.08	Inventory Control	
	01.09	Leasing	
	01.99	Other	
			05.
02.	-	ering/Physics	
	02.01	Thermodynamics	
	02.02		
	02.03	Mass Transfer	
	02.04	Fluid Mechanics	
	02.05	Nuclear Applications	
	02.06	Statics	
	02.07	Dynamics	
	02.08	Optics	99 .
	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 a	nd 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

Program Submittal

Revision to Program No.						
i regiuni ite.						
HP-65 Serial No.						
Program Title						
Keywords					<u> </u>	
Keyword(s) ¹ Underlined						
in Title 2						
No. of Steps						
Category No.						
Category Name						
Abstract- 75 Word N	<i>l</i> laximum					
Name						
Itallio	First		Initial		Last	
Address						
Address				State	Zip Code	
Address						
City	Entor number	of program v	au would lik	re to receive if v	our program is accepted in	nto the library
City	Enter number	of program ye	ou would lil	ke to receive if y	our program is accepted in	nto the library
City	Enter number	of program ye	ou would lil	ke to receive if y	our program is accepted in	nto the library.
City	Enter number	L				nto the library.
City	Enter number	of program yo		Alternate Choice		nto the library.
City Program Choice:		First Choi	ice	Alternate Choice		
City Program Choice:		First Choi	ice	Alternate Choice		
City Program Choice:	ist: Please use	First Choi	ce below to ins	Alternate Choice	all the proper program do	
City Program Choice:	ist: Please use	First Choi	ce below to ins	Alternate Choice		
City Program Choice:	ist: Please use	First Choir the checklist l ogram Submitt	below to instal	Alternate Choice sure submittal of	all the proper program do	
City Program Choice:	ist: Please use Pro Pro	First Choi the checklist l ogram Submitt ogram Descrip	below to instal tal	Alternate Choice sure submittal of HP-6	all the proper program do 55 User Instructions 55 Program Form(s)	
City Program Choice:	ist: Please use Pro Pro	First Choir the checklist l ogram Submitt	below to instal tal	Alternate Choice sure submittal of HP-6	all the proper program do 55 User Instructions	
City Program Choice:	ist: Please use Pro Pro	First Choi the checklist l ogram Submitt ogram Descrip	below to instal tal	Alternate Choice sure submittal of HP-6	all the proper program do 55 User Instructions 55 Program Form(s)	
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City Program Choice:	ist: Please use Pro Pro	First Choin the checklist l ogram Submitt ogram Descrip ogram Descrip	below to instal tal tion I tion II	Alternate Choice sure submittal of	all the proper program do 55 User Instructions 55 Program Form(s) netic Card (s)	
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City Program Choice: Submittal Checkl	ist: Please use Pro Pro Pro wledge, I have th	First Choir the checklist l ogram Submitt ogram Descrip ogram Descrip ACKNOW	below to instal tal tion I tion II	Alternate Choice sure submittal of HP-6 HP-6 Mag AND AGREEMEN program material	all the proper program do 55 User Instructions 55 Program Form(s) netic Card (s)	cumentation.
City Program Choice: Submittal Checkle	ist: Please use Pro Pro Pro Pro wledge, I have the value or confidential	First Choir First Choir ogram Submitt ogram Descrip ogram Descrip ACKNOW he right to cont ntial information	below to instal tal tion I tion II	Alternate Choice Sure submittal of HP-6 HP-6 Mag AND AGREEMEN program material rsons or organizat	all the proper program do 55 User Instructions 55 Program Form(s) netic Card (s)	cumentation. gation concern
City Program Choice: Submittal Checkle of the best of my know pondisclosure of propri nonconfidential nono ay use, duplicate, mo	ist: Please use Pro Pro Pro Pro wledge, I have the tary or confident bligatory basis to bligatory basis to	First Choin First Choin ogram Submitte ogram Descrip ogram Descrip ogram Descrip ACKNOW he right to cont ntial information o Hewlett-Packa	below to instal tal tion I tion II LEDGMENT tribute this p of other pe ard Compan gram materia	Alternate Choice Sure submittal of HP-6 HP-6 Mag AND AGREEMEN program material program material program material program material program material program material	all the proper program do 55 User Instructions 55 Program Form(s) netic Card (s)	cumentation. gation concern rogram material nd I agree that ation or liability
City Program Choice: Submittal Checkle the best of my known disclosure of proprinonconfidential nonol ay use, duplicate, mo	ist: Please use Pro Pro Pro Pro wledge, I have the tary or confident bligatory basis to bligatory basis to	First Choin First Choin ogram Submitte ogram Descrip ogram Descrip ogram Descrip ACKNOW he right to cont ntial information o Hewlett-Packa	below to instal tal tion I tion II LEDGMENT tribute this p of other pe ard Compan gram materia	Alternate Choice Sure submittal of HP-6 HP-6 Mag AND AGREEMEN program material program material program material program material program material program material	all the proper program do 55 User Instructions 55 Program Form(s) netic Card (s)	cumentation. gation concern rogram material nd I agree that ation or liability
City Program Choice: Submittal Checkle of the best of my know indisclosure of propri nonconfidential nono ay use, duplicate, mo	ist: Please use Pro Pro Pro Pro wledge, I have the tary or confident bligatory basis to bligatory basis to	First Choin First Choin ogram Submitte ogram Descrip ogram Descrip ogram Descrip ACKNOW he right to cont ntial information o Hewlett-Packa	below to instal tal tion I tion II LEDGMENT tribute this p of other pe ard Compan gram materia	Alternate Choice Sure submittal of HP-6 HP-6 Mag AND AGREEMEN program material program material program material program material program material program material	all the proper program do 55 User Instructions 55 Program Form(s) netic Card (s)	cumentation. gation concern rogram materia nd I agree that ation or liability



Program Title		
Contributor's Name		
Address		
City	State	Zip Code
Program Description, Equations, Variable	es	
Operating Limits and Warnings		

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HP-65 Users' Library TT

Users'Library	Program	Description	11	Page	_ of
Sketch(es)					
Sample Problem(s)					
Solution(s)					
Reference (s)					



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STEP	INSTRUCTIONS	INPUT DATA/UNITS	KEYS	OUTPUT DATA/UNITS



SWITCH T	O W/PRGM. PR	ESS f PRGM TO CLEAR MEMORY.			Pag	e of
KEY ENTRY	CODE SHOWN	COMMENTS	KEY ENTRY	CODE SHOWN	COMMENTS	REGISTERS
						R ₁
			┨┝────			
			┨┝────			R ₂
			1			
			1			
						R ₃
10						R4
10			60			n4
			1			
			1			R ₅
			┨┝────			R ₆
			┨┝────			
	-		1			R ₇
20			70			
10						
						R ₈
]			
			┨┝────			
			┨┝────			R ₉
			┨┠─────			
			1			LABELS
						A
30			80			В
						C
			┨┝────			D
						E
			1			0
						2
						3
			┨┝────			4
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40			90			6
						7
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HP-65 Program Form

SWITCH T	o w/prgm. pr	ESS f PRGM TO CLEAR MEMORY.			F	age of
KEY ENTRY	CODE SHOWN	COMMENTS	KEY ENTRY	CODE SHOWN	COMMENTS	REGISTERS
			1			R ₁
]			
						R ₂
						R ₃
			-			
10			60			R4
			-			
			┫┝────			R ₅
			┫╞────			
			┫╞────			Be
			┫╞────			R ₆
			┨╞────			
			┨╞────			R ₇
20			70			
20			70			
			1			R
			1			R
						LABELS
						A
30			80			В
						c
			┨┝────			D
						_ E
			┨┝────			_
			┨╞────			_ 1
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			┨┠────			_ 3
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40						_ 5
4U			90			
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			1			_ 9
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			1			2
50			100			

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					
Name Address	First		Initial	Last	
City			State	Zip Co	
	klist: Please use Pro Pro	First Choice the checklist below gram Submittal gram Description I	Alternate	tal of all the proper progr HP-65 User Instructions HP-65 Program Form(s)	
	Pro	gram Description I		Magnetic Card (s)	
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Program Title		
Contributor's Name		
Address		
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STEP	INSTRUCTIONS	INPUT DATA/UNITS	KEYS	OUTPUT DATA/UNITS



SWITCH T	WITCH TO W/PRGM. PRESS f PRGM TO CLEAR MEMORY.						
KEY ENTRY	CODE SHOWN	COMMENTS	KEY ENTRY	CODE SHOWN	COMMENTS	REGISTERS	
						R ₁	
						P.	
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] °	
10			60			R4	
				┨────┤		R ₅	
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			1 1 1 1 1 1			11	



SWITCH TO	o w/prgm. Pri		Page of			
KEY ENTRY	CODE SHOWN	COMMENTS	KEY ENTRY	CODE SHOWN	COMMENTS	REGISTERS
						R ₁
						R ₂
						R
10			60			R4
						R ₅
				├		
						- Ro
						R ₆
						R ₇
20			70			
						R
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30			80			A B
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40			90			5
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						1
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5.0			100	<u> </u>		



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