

HP-41C Revised Curve Fitting by John Dearing
PPC Calculator Journal V7 N3 P27 April 1980

```
01 LBL "LIN" ;Linear Curve
02 5
03 "LIN"
04 GTO 13
05 LBL "EXP" ;Exponential Curve
06 6
07 "EXP"
08 GTO 13
09 LBL "LOG" ;Logarithmic Curve
10 7
11 "LOG"
12 GTO 13
13 LBL "POW" ;Power Curve
14 8
15 "POW"
16 LBL 13
17 STO 00
18 SREG 06 ;SigmaREG
19 CLS ;CLSigma
20 AVIEW
21 STOP
22 LBL C
23 X<>Y
24 XEQ IND 00
25 S- ;Sigma-
26 STOP
27 LBL A
28 X<>Y
29 XEQ IND 00
30 S+ ;Sigma+
31 STOP
32 LBL 07
33 LN
34 RTN
35 LBL 08
36 LN
37 LBL 06
38 X<>Y
39 LN
40 X<>Y
41 RTN
42 LBL E
43 RCL 11
44 RCL 07
45 RCL 06
46 RCL 06
47 XEQ 09
48 STO 03
49 RCL 08
50 RCL 07
51 RCL 06
52 RCL 10
53 XEQ 09
54 RCL 03
55 /
56 STO 01
57 XEQ IND 00
58 STO 04
59 RCL 11
60 RCL 10
61 RCL 06
62 RCL 08
63 XEQ 09
64 RCL 03
65 /
66 STO 05
67 RCL 01
```

```
68 RCL 08
69 *
70 RCL 05
71 RCL 10
72 *
73 +
74 RCL 08
75 X^2
76 RCL 11
77 /
78 STO 02
79 -
80 RCL 09
81 RCL 02
82 -
83 /
84 SF 21
85 "R2"
86 XEQ 88
87 RCL 04
88 "a"
89 XEQ 88
90 RCL 05
91 "b"
92 GTO 01
93 LBL 06
94 LBL 08
95 E^X
96 LBL 05
97 LBL 07
98 RTN
99 LBL 09
100 *
101 RDN
102 *
103 R^
104 -
105 RTN
106 LBL 00
107 "Y."
108 LBL 01
109 ">="
110 ARCL X
111 AVIEW
112 FS? 55
113 STOP
114 LBL 04
115 GTO IND 00
116 LBL 08
117 RCL 05
118 Y^X
119 GTO 09
120 LBL 06
121 RCL 05
122 *
123 E^X
124 LBL 09
125 RCL 04
126 *
127 GTO 00
128 LBL 07
129 LN
130 LBL 05
131 RCL 05
132 *
133 RCL 04
134 +
135 GTO 00
136 LBL 88
137 ">="
```

138 ARCL X
139 AVIEW
140 RTN
141 END

00DBC000F4004C494E15F34C494EBE00C000F40045585016F3
455850BE00C000F4004C4F4717F34C4F47BE00C000F400504F
5718F3504F570E309906707E84CF6871AE804884CF6671AE80
478408508509500771507185CF6A2B272626E0000933282726
2AE00009234331AE80342B2A2628E00009234335212842252A
424028512B43324129224143A815F25232E0005824F161E000
5825F162B2000709550608850A42754274418501F2592E02F2
7F3D9B737EAC378405AE00092553BA00072542550A2442B100
08500625422440B100CF58F27F3D9B737E85C0000DF3

219 BYTES

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Program Registers Needed: 32

Row 1 (1 - 4)



Row 2 (4 - 7)



Row 3 (8 - 11)



Row 4 (11 - 15)



Row 5 (15 - 24)



Row 6 (24 - 34)



Row 7 (35 - 46)



Row 8 (47 - 55)



Row 9 (56 - 65)



Row 10 (66 - 78)



Row 11 (79 - 86)



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Row 12 (87 - 94)



Row 13 (95 - 107)



Row 14 (107 - 114)



Row 15 (115 - 125)



Row 16 (126 - 136)



Row 17 (136 - 141)

