

HP-41C High Resolution Plotting by Nathan Meyers
PPC Calculator Journal Vol 7 N2 P50 Feb-Mar 1980

```
01 LBL "PLOTNM" ;High Resolution Plotting Program
02 AON
03 "NAME?"
04 PROMPT
05 AOFF
06 ASTO 05
07 "Y MIN?"
08 PROMPT
09 STO 00
10 "Y MAX"
11 PROMPT
12 STO 01
13 "X MIN"
14 PROMPT
15 STO 02
16 "X MAX?"
17 PROMPT
18 STO 03
19 LBL "NEW"
20 "X INC?"
21 PROMPT
22 STO 04
23 "PLOT OF "
24 ARCL 05
25 XROM 29,08 ;PRA
26 FIX 1
27 "Y: "
28 ARCL 00
29 ">" TO "
30 ARCL 01
31 XROM 29,08 ;PRA
32 "X: "
33 ARCL 02
34 ">" TO "
35 ARCL 03
36 XROM 29,08 ;PRA
37 FIX 3
38 "STEPS OF "
39 ARCL 04
40 XROM 29,08 ;PRA
41 "-----" ;15 dashes
42 ">-----" ;Append 9 dashes
43 XROM 29,08 ;PRA
44 167
45 RCL 01
46 RCL 00
47 -
48 /
49 STO 08
50 RCL 02
51 STO 06
52 LBL 00
53 11.017
54 STO 07
55 LBL 01
56 RCL 06
57 XEQ IND 05
58 RCL 00
59 -
60 RCL 08
61 *
62 1
63 +
64 FIX 0
65 RND
66 168
67 X<>Y
```

```
68 X>Y?
69 0
70 ENTER
71 0
72 X<=Y?
73 X<>Y
74 STO IND 07
75 RCL 04
76 ST+ 06
77 RCL 06
78 RCL 03
79 X<Y?
80 GTO 04
81 ISG 07
82 GTO 01
83 XEQ 05
84 4
85 RCL 04
86 *
87 ST+ 06
88 RCL 06
89 RCL 03
90 X<Y?
91 RTN
92 GTO 00
93 LBL 04
94 0
95 STO IND 07
96 ISG 07
97 GTO 04
98 LBL 05
99 .001
100 ST+ 11
101 .002
102 ST+ 12
103 .004
104 ST+ 13
105 .008
106 ST+ 14
107 .016
108 ST+ 15
109 .032
110 ST+ 16
111 .064
112 ST+ 17
113 12.017
114 STO 10
115 LBL 06
116 RCL 10
117 STO 09
118 1
119 -
120 RCL IND X
121 LBL 07
122 RCL IND 09
123 X<Y?
124 X<>Y
125 STO IND 09
126 RDN
127 ISG 09
128 GTO 07
129 STO IND Y
130 ISG 10
131 GTO 06
132 11.016
133 STO 09
134 11.017
135 STO 10
136 LBL 08
137 ISG 10
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138 RCL IND 10
139 INT
140 RCL IND 09
141 INT
142 X#Y?
143 GTO 09
144 LASTX
145 FRC
146 ST+ IND 10
147 CLX
148 STO IND 09
149 LBL 09
150 ISG 09
151 GTO 08
152 11.017
153 STO 09
154 0
155 STO 10
156 LBL 10
157 RCL IND 09
158 INT
159 X=0?
160 GTO 11
161 ENTER
162 X<> 10
163 -
164 1
165 -
166 XROM 29,23 ;SKPCOL
167 RCL IND 09
168 FRC
169 1 E3
170 *
171 XROM 29,03 ;ACCOL
172 LBL 11
173 ISG 09
174 GTO 10
175 XROM 29,10 ;PRBUF
176 RTN
177 END

```

```

018DC000F700504C4F544E4D8CF54E414D453F8E8B9A05F659
204D494E3F8E30F559204D41588E31F558204D494E8E32F658
204D41583F8E33C000F4004E4557F65820494E433F8E34F850
4C4F54204F46209B05A7489C01F3593A209B00F57F20544F20
9B01A748F3583A209B02F57F20544F209B03A7489C03F95354
455053204F46209B04A748FF2D2D2D2D2D2D2D2D2D2D2D2D2D
2D2DFA7F2D2D2D2D2D2D2D2DA74811161721204143382236
0111111A101117370226AE852041284211409C006E11161871
4510831046719187249206262344B5009607B200E000051424
42920626234485B100051091879607B500061A101011920B1A
101012920C1A101014920D1A101018920E1A101116920F1A10
131292101A101614921111121A1011173A072A39114190F308
908944719189759609B80091F2960AB70011111A1011163911
111A1011173A09960A908A6890896879BA007669928A779189
0A9609B90011111A10111739103A0B90896867BC0083CE0A41
1141A757908969111B1342A7430C9609BB00A74A85C0000D22

```

397 BYTES

HP-41C High Res Plotting by Nathan Meyers PPC V7 N2 P50 Feb-Mar 1980

Program Registers Needed: 57

Row 1 (1 - 3)



Row 2 (3 - 7)



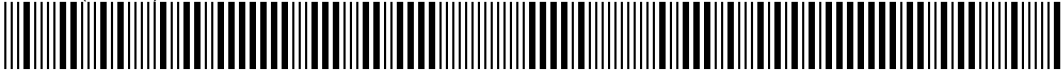
Row 3 (7 - 13)



Row 4 (13 - 16)



Row 5 (16 - 20)



Row 6 (20 - 23)



Row 7 (23 - 28)



Row 8 (28 - 32)



Row 9 (32 - 36)



Row 10 (36 - 38)



Row 11 (39 - 41)



Row 12 (41 - 42)



Row 13 (42 - 47)



Row 14 (48 - 55)



Row 15 (56 - 66)



Row 16 (66 - 76)



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Row 17 (76 - 83)



Row 18 (84 - 94)



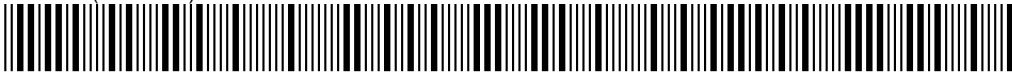
Row 19 (95 - 100)



Row 20 (101 - 105)



Row 21 (105 - 109)



Row 22 (109 - 113)



Row 23 (113 - 122)



Row 24 (122 - 130)



Row 25 (130 - 134)



Row 26 (134 - 141)



Row 27 (142 - 150)



Row 28 (151 - 157)



Row 29 (157 - 166)



Row 30 (167 - 174)



Row 31 (174 - 177)

