

HP-41C Routine Listing of 8K PPC Custom ROM FR  
PPC Calculator Journal V8 N2 P3/5 Mar-Apr 1981

```
01 LBL "FR"      ;Fractions - XROM 20,12
02 GTO IND 06
03 LBL B
04 LBL 02
05 CHS
06 LBL A
07 LBL 01
08 ST* T
09 X<> Z
10 *
11 ST+ Z
12 X<> L
13 *
14 GTO 05
15 LBL D
16 LBL 04
17 X<>Y
18 LBL C
19 LBL 03
20 ST* Z
21 X<> T
22 *
23 X<>Y
24 LBL E
25 LBL 05
26 RCL Y
27 RCL Y
28 XEQ 06
29 ST/ Z
30 /
31 FC? 10
32 RTN
33 FIX 0
34 " "          ;1 space
35 ARCL Y
36 >"/"         ;Append 1 forward slash
37 ARCL X
38 XROM 10,07 ;VA (View Alpha)
39 RTN
40 LBL c
41 LBL 06
42 MOD
43 LASTX
44 X<>Y
45 X#0?
46 GTO c
47 +
48 RTN
49 LBL d
50 LBL "DF"      ;Decimal to Fraction - XROM 20,13
51 STO 08
52 INT
53 .
54 STO 09
55 E
56 STO 10
57 RCL 08
58 R^
59 X=Y?
60 GTO 08
61 ST- Y
62 LBL 07
63 RDN
64 1/X
65 ENTER
66 INT
67 -
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68 RCL 09
69 RCL 10
70 STO 09
71 LASTX
72 *
73 +
74 STO 10
75 RCL 08
76 *
77 FIX 0
78 RND
79 STO Z
80 RCL 10
81 /
82 RCL 08
83 -
84 FIX IND 07
85 RND
86 X#0?
87 GTO 07
88 RCL Z
89 LBL 08
90 RCL 10
91 SIGN
92 ST* 10
93 *
94 RCL 10
95 FC? 10
96 RTN
97 GTO 05
98 LBL e
99 LBL "NP"      ;Next Prime - XROM 20,14
100 RCL Y
101 SQRT
102 LASTX
103 X<> Z
104 LBL 09
105 X>Y?
106 R^
107 R^
108 X<>Y
109 MOD
110 X=0?
111 GTO 10
112 X<> L
113 2
114 X=Y?
115 SIGN
116 +
117 GTO 09
118 LBL 10
119 R^
120 LASTX
121 X>Y?
122 ENTER
123 RTN
124 ST/ Y
125 GTO e
126 LBL a
127 LBL "GN"      ;Gaussian Random Number Generator - XROM 20,15
128 XEQ b
129 LN
130 ST+ X
131 CHS
132 SQRT
133 X<>Y
134 XEQ b
135 360
136 *
137 R^

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138 RCL 07
139 *
140 P-R
141 RCL 06
142 ST+ Z
143 +
144 RTN
145 LBL b
146 LBL "RN" ;Random Number Generator - XROM 20,16
147 RCL IND X
148 9821
149 *
150 .211327
151 +
152 FRC
153 STO IND Y
154 END

```

```

00FBC600F3004652AE06CF670354CF66029470CE71429271CE
7442B600CF690571CF68049471CE704271CF6A0690729072E0
0006957143AD0A859C00F1209B72F27F2F9B73A28785CF7D07
4B767163D0007D4085CF7EC00CF300444638681A391B3A2874
78B9009372087560836841292A397642403A28429C006E9171
2A4328419C876E63B8009071092A7A940A422AAD0A85B600CF
7FC409F3004E5090725276CE710A457474714B67BB00CE7412
787A40BA000B74764583859572D0007FCF7BC006F300474EE0
007C509273545271E0007C131610427427424E2692714085CF
7CCA04F300524E90F319181211421A121111131217406991F2
C603097B

```

251 BYTES

## HP-41C PPC ROM FR Group PPC V8 N2 Page 3/5 Mar-Apr 1981

Program Registers Needed: 36

Row 1 (1 - 6)



Row 2 (6 - 14)



Row 3 (14 - 22)



Row 4 (23 - 29)



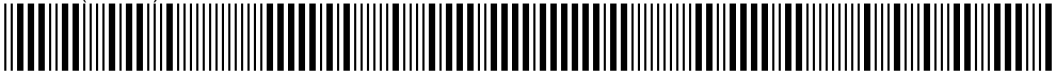
Row 5 (30 - 36)



Row 6 (37 - 46)



Row 7 (46 - 51)



Row 8 (52 - 62)



Row 9 (63 - 75)



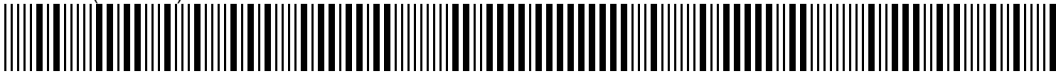
Row 10 (76 - 85)



Row 11 (86 - 95)



Row 12 (95 - 100)



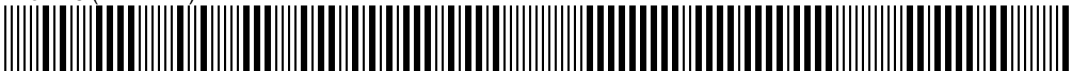
Row 13 (100 - 111)



Row 14 (111 - 121)



Row 15 (122 - 127)



Row 16 (127 - 134)



Row 17 (134 - 143)



Row 18 (144 - 148)



Row 20 (153 - 154)

