

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

```
01 LBL "FI"      ;Financial Calculations - XROM 10,63
02 GTO IND 06
03 LBL e         ;Clear Financial Registers
04 LBL 00
05 E
06 STO 08
07 STO 09
08 CLX
09 STO 01
10 STO 02
11 STO 03
12 STO 04
13 STO 05
14 GTO 10
15 LBL c         ;Continuous or Discrete Compounding
16 FC?C 08
17 SF 08
18 GTO 10
19 LBL d         ;Beginning or End of Period Payments
20 FC?C 09
21 SF 09
22 LBL J         ;Status of Compounding and Periodic Payments
23 LBL 10
24 "D"          ;1st Letter D = Discrete Compounding
25 FS? 08
26 "C"          ;1st Letter C = Continuous Compounding
27 FC? 09
28 ">"E"        ;2nd Letter E = End of Period Payments
29 FS? 09
30 ">"B"        ;2nd Letter B = Beginning of Period Payments
31 ASTO X
32 RTN
33 LBL H         ;Compounding Frequency during Period
34 STO 08
35 CF 22
36 RTN
37 LBL I         ;Payment Frequency during Period
38 STO 09
39 CF 22
40 RTN
41 LBL a         ;Multiply X register by 12, store as n
42 12
43 *
44 LBL A         ;Enter or Solve for n (Number of Periods)
45 FS? 22
46 STO 01
47 FS?C 22
48 RTN
49 LBL 01
50 XEQ 07
51 STO Z
52 RCL 05
53 -
54 R^
55 RCL 03
56 +
57 /
58 LN
59 RCL 07
60 LN1+X
61 /
62 STO 01
63 RTN
64 LBL b         ;Divide X Register by 12, store as i
65 12
66 /
67 LBL B         ;Enter or Solve for i (Interest Rate)
```

```

68 FS? 22
69 STO 02
70 FS?C 22
71 RTN
72 LBL 02
73 RCL 03
74 ABS
75 RCL 05
76 ABS
77 +
78 RCL 04
79 X=0?
80 GTO 09
81 /
82 ABS
83 1/X
84 LASTX
85 RCL 01
86 3
87 Y^X
88 /
89 +
90 STO 07
91 LBL 06
92 XEQ 08
93 STO 02
94 RCL 03
95 +
96 STO Z
97 X<>Y
98 ST* 02
99 *
100 RCL 03
101 +
102 RCL 05
103 +
104 X<> Z
105 *
106 RCL 07
107 E      ;FS? 10  <- In PPC ROM between
108 +      ;VIEW X  <- lines 106 and 107.
109 /
110 RCL 01
111 *
112 RCL 02
113 RCL 07
114 /
115 -
116 /
117 ST- 07
118 RCL 07
119 FS? 10      ;/      <- In PPC ROM these
120 VIEW 07     ; E2     <- five lines replace
121 /           ;*       <- the six lines 119
122 ABS         ;RND     <- to 124. Line 124
123 E-8         ;X#0?    <- is not present in
124 X<Y?        ;        <- the final PPC ROM
125 GTO 06
126 GTO 11
127 LBL 07
128 E
129 RCL 02
130 %
131 RCL 08
132 RCL 09
133 FS? 08
134 X<>Y
135 RDN
136 /
137 STO 07

```

```

138 LN1+X
139 RCL 08
140 RCL 09
141 /
142 *
143 FS? 08
144 X<> 07
145 E^X-1
146 STO 07
147 LBL 08
148 E
149 RCL 07
150 FS? 09
151 ST+ Y
152 /
153 E
154 RCL 01
155 RCL 07
156 LN1+X
157 *
158 E^X-1
159 +
160 LASTX
161 RCL 04
162 R^
163 *
164 RTN
165 LBL 09
166 RCL 05
167 RCL 03
168 /
169 CHS
170 LN
171 RCL 01
172 /
173 E^X-1
174 STO 07
175 LBL 11
176 CLD
177 RCL 07
178 LN1+X
179 RCL 09
180 *
181 RCL X
182 RCL 08
183 /
184 E^X-1
185 RCL 08
186 *
187 FS? 08
188 X<>Y
189 E2
190 *
191 STO 02
192 RTN
193 LBL C      ;Enter or Solve for PV (Present Value)
194 FS? 22
195 STO 03
196 FS?C 22
197 RTN
198 LBL 03
199 XEQ 07
200 *
201 RCL 05
202 +
203 R^
204 /
205 CHS
206 STO 03
207 RTN

```

```

208 LBL D      ;Enter or Solve for PMT (Periodic Payment)
209 FS? 22
210 STO 04
211 FS?C 22
212 RTN
213 LBL 04
214 XEQ 07
215 X<> L
216 *
217 CHS
218 RCL 03
219 R^
220 *
221 RCL 05
222 +
223 X<>Y
224 /
225 STO 04
226 RTN
227 LBL E      ;Enter or Solve for FV (Future Value)
228 FS? 22
229 STO 05
230 FS?C 22
231 RTN
232 LBL 05
233 XEQ 07
234 RCL 03
235 +
236 *
237 RCL 03
238 +
239 CHS
240 STO 05
241 LBL 12
242 END

```

```

0144C000F3004649AE06CF7F011B3839773132333435BB00CF
7DAB08A808BB00CF7EAB09A809CF6F0BF144AC08F143AD09F2
7F45AC09F27F429A7385CF6D38A91685CF6E39A91685CF7B11
1242CF66AC1631AA168502E000079171254174234043502765
433185CF7C111243CF67AC1632AA16850323612561402467BA
004361607621135343403707E0000832234091717194024223
402540CE7142271B404321422227434143930727AC0A980743
611B1C1844B700BC00081B224C2829AC087175433765282943
42AC08CE075837091B27AC099272431B212765425840762474
42850A2523435450214358370C7F2765294290732843582842
AC08711B12423285CF68AC1633AA168504E000074225407443
543385CF69AC1634AA168505E00007CE744254237442254071
433485CF6AAC1635AA168506E00007234042234054350DC000
0D1F

```

324 BYTES

Program Registers Needed: 47

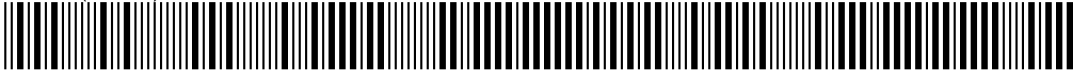
Row 1 (1 - 6)



Row 2 (7 - 16)



Row 3 (17 - 23)



Row 4 (24 - 29)



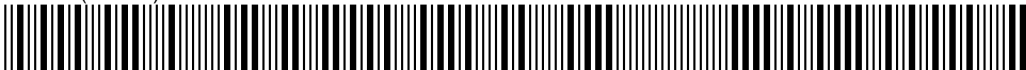
Row 5 (30 - 37)



Row 6 (37 - 45)



Row 7 (45 - 53)



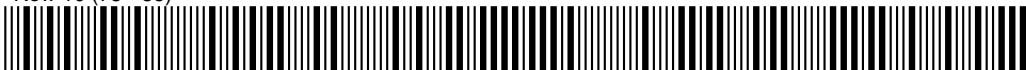
Row 8 (54 - 65)



Row 9 (65 - 74)



Row 10 (75 - 86)



Row 11 (87 - 96)



Row 12 (97 - 107)



Row 13 (108 - 119)



Row 14 (119 - 126)



Row 15 (127 - 138)



Row 16 (139 - 149)



Row 17 (150 - 160)



Row 18 (161 - 173)



Row 19 (174 - 185)



Row 20 (186 - 194)



Row 21 (195 - 204)



Row 22 (205 - 214)



Row 23 (214 - 224)



Row 24 (225 - 233)



Row 25 (233 - 242)

