

HP-41C PPC ROM Differentiator by PPC ROM Authors
PPC Calculator Journal Volume 7 N10 P11 Dec 1980

```
01 LBL "PQ" ;PPC ROM Differentiator Pretty Quick version
02 0
03 STO 09
04 XEQ IND 06
05 11
06 XEQ 03
07 -18
08 XEQ 03
09 9
10 XEQ 03
11 2
12 *
13 RCL 09
14 -
15 RCL 08
16 3
17 *
18 ST- IND 07
19 2
20 *
21 /
22 ENTER
23 RTN
24 LBL 03
25 *
26 ST+ 09
27 RCL 08
28 ST+ IND 07
29 GTO IND 06
30 LBL "AD" ;PPC ROM Differentiator Adaptive Derivative version
31 13
32 XEQ "SD" ;PPC ROM Store Display Mode (V7N10P18 SD Line 1)
33 SCI 1
34 2 E-3
35 STO 12
36 LBL 11
37 RCL 08
38 2
39 /
40 RND
41 STO 08
42 XEQ "PQ" ;PPC ROM Differentiator Pretty Quick version (Line 1)
43 ENTER
44 X<> 10
45 -
46 ENTER
47 X<> 11
48 FS? 10
49 VIEW 11
50 ISG 12
51 GTO 11
52 LASTX
53 RDN
54 *
55 X<=0?
56 GTO 12
57 LASTX
58 X^2
59 /
60 ABS
61 1
62 X>Y?
63 GTO 11
64 LBL 12
65 2
66 ST* 08
67 R^
```

```
68 13
69 XEQ "RD" ;PPC ROM Recall Display Mode (V7N10P18 SD Line 25)
70 ENTER
71 RTN
72 END
```

```
007AC000F30050511039AE861111E000031C1118E0000319E0
0003124229412813429387124243838504429209289287AE06
C000F300414411131EF253449D01121B1C133C0C2812436E38
1EF2505183CE0A4183CE0BAC0A980B960CBC007675427BBD00
765143611145BC000D1294087411131EF252448385C0000DB6
```

122 BYTES

HP-41C PPC ROM Differentiator by Various Authors PPC V7 N10 P11 Dec 1980

Program Registers Needed: 18

Row 1 (1 - 6)



Row 2 (6 - 11)



Row 3 (12 - 23)



Row 4 (24 - 30)



Row 5 (30 - 34)



Row 6 (34 - 43)



Row 7 (44 - 51)



Row 8 (51 - 62)



Row 9 (63 - 69)



Row 10 (70 - 72)

