

HP-41C Alpha Function Interpreter by Erik Christensen
PPC Calculator Journal Vol 10 No 1 Pg 33 Jan-Feb 1983
Uses XF/M Module, includes changes from NOP V10 N2 P3

```
01 LBL "AFI" ;Alpha Function Interpreter
02 LBL 04
03 "NAME?" ;Enter function name up to 7 characters
04 XEQ 02
05 4
06 SF 25
07 XROM 25,34 ;RCLPTA
08 FS?C 25 ;Changed per NOP V10 N2 P3
09 GTO 01
10 XROM 25,10 ;CRFLAS
11 "FORMULA?" ;Enter char seq representing formula
12 XEQ 02
13 XROM 25,04 ;APPREC
14 LBL 01
15 CLST
16 XROM 25,42 ;SEEKPT
17 "VAL? A-J" ;Set values for variables A through J
18 AVIEW
19 XROM 25,20 ;GETREC
20 PROMPT
21 CLST
22 LBL 03
23 AVIEW
24 STO 00
25 RDN
26 XROM 25,07 ;ATOX
27 X<> 00
28 XEQ IND 00
29 GTO 03
30 LBL 65
31 LBL 66
32 LBL 67
33 LBL 68
34 LBL 69
35 LBL 70
36 LBL 71
37 LBL 72
38 LBL 73
39 LBL 74
40 X<> 00
41 64
42 -
43 X<> 00
44 RCL IND 00
45 GTO 03
46 LBL 42
47 *
48 RTN
49 LBL 43
50 +
51 RTN
52 LBL 45
53 -
54 RTN
55 LBL 47
56 /
57 RTN
58 LBL 94
59 Y^X
60 RTN
61 LBL 37
62 %
63 RTN
64 LBL 02
65 AON
66 AVIEW
```

```
67 CLA
68 STOP
69 AOFF
70 RTN
71 LBL 44
72 VIEW X
73 PSE
74 RTN
75 LBL 63
76 PROMPT
77 RTN
78 LBL 48
79 LBL 49
80 LBL 50
81 LBL 51
82 LBL 52
83 LBL 53
84 LBL 54
85 LBL 55
86 LBL 56
87 LBL 57
88 48
89 ST- 00      ;Changed per
90 X<> 00      ;NOP V10 N2 P3
91 RTN
92 LBL 00
93 CLD
94 STOP
95 GTO 04
96 END
```

```
00B3C000F40041464905F54E414D453FE0000214A819A662AA
19B200A64AF8464F524D554C413FE00002A6440273A66AF856
414C3F20412D4A7EA6548E73047E3075A647CE00AE80B400CF
41CF42CF43CF44CF45CF46CF47CF48CF49CF4ACE00161441CE
009080B400CF2A4285CF2B4085CF2D4185CF2F4385CF5E5385
CF254C85038C7E87848B85CF2C98738985CF3F8E85CF30CF31
CF32CF33CF34CF35CF36CF37CF38CF3914189300CE0085017F
84B500C0000D03
```

179 BYTES

HP-41C Alpha Function Interpreter by Erik Christensen PPC V10 N1 P33

Program Registers Needed: 26

Row 1 (1 - 3)



Row 2 (3 - 9)



Row 3 (10 - 12)



Row 4 (12 - 17)



Row 5 (17 - 26)



Row 6 (26 - 32)



Row 7 (33 - 39)



Row 8 (39 - 46)



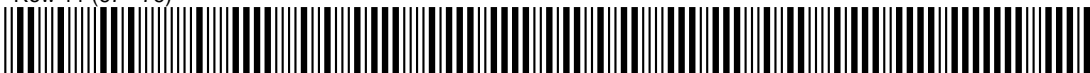
Row 9 (46 - 55)



Row 10 (56 - 66)



Row 11 (67 - 76)



Row 12 (77 - 83)



Row 13 (84 - 90)



Row 14 (90 - 96)

