

```
01 LBL "CHREGS" ;Load Coefficients a0-a4 into R00-R04
02 535
03 1536
04 /
05 STO 00
06 19
07 64
08 /
09 STO 01
10 -7
11 128
12 /
13 STO 02
14 -1
15 192
16 /
17 STO 03
18 -1
19 512
20 /
21 STO 04
22 LBL "CHEB" ;Chebyshev Polynomial Calculation
23 "LOAD X"
24 PROMPT
25 ENTER
26 +
27 1
28 STO 05
29 -
30 STO 06
31 STO 07
32 1.004
33 STO 08
34 RCL 00
35 STO 09
36 LBL 00
37 RCL 06
38 RCL IND 08
39 *
40 ST+ 09
41 RCL 06
42 X<> 05
43 RCL 07
44 ENTER
45 +
46 ST* 06
47 RDN
48 ST- 06
49 ISG 08
50 GTO 00
51 RCL 09
52 RTN
53 END
```

```
006DC000F70043485245475315131500111513164330111900
161443311C170011121843321C110011191243331C11001511
124334C000F50043484542F64C4F414420588E834011354136
37111A1010143820390126908842920926CE05278340940675
93069608B1002985C0000D40
```

109 BYTES

HP-41C Chebyshev Polynomial by Bruce K. Murdock PPC V6 N4 P13 July 1979

Program Registers Needed: 16

Row 1 (1 - 2)



Row 2 (3 - 8)



Row 3 (9 - 15)



Row 4 (15 - 22)



Row 5 (22 - 23)



Row 6 (23 - 32)



Row 7 (32 - 42)



Row 8 (42 - 50)



Row 9 (51 - 53)

