

```
01 LBL "RK" ;First Order Differential Equations
02 CLRG
03 FIX 0
04 CF 29
05 SF 21
06 "N=?"
07 PROMPT
08 STO 04
09 3
10 *
11 22
12 +
13 STO 05
14 SF 25
15 ARCL IND X
16 1
17 STO 11
18 STO 07
19 STO 08
20 +
21 FS?C 25
22 GTO 00
23 "SIZE"
24 ARCL X
25 PROMPT
26 LBL 00
27 2
28 STO 06
29 STO 09
30 STO 00
31 ENTER
32 SQRT
33 LASTX
34 +
35 STO 01
36 /
37 STO 02
38 RCL 04
39 ST- 05
40 20
41 +
42 ST+ 11
43 1 E3
44 /
45 20
46 +
47 STO 14
48 STO 10
49 LBL 01
50 "Y"
51 ARCL 12
52 " =?"
53 PROMPT
54 STO IND 14
55 ISG 12
56 X<>Y
57 ISG 14
58 GTO 01
59 "INC=?"
60 PROMPT
61 STO 12
62 LBL 14
63 .002
64 STO 13
65 6
66 STO 04
67 STO 03
```

68 LBL 11
69 RCL 10
70 STO 14
71 RCL 11
72 STO 15
73 RCL 05
74 STO 16
75 LBL 12
76 XEQ IND 14
77 RCL 12
78 *
79 STO IND 15
80 ISG 15
81 X<>Y
82 ISG 14
83 GTO 12
84 RCL 11
85 STO 15
86 RCL 10
87 STO 14
88 LBL 13
89 RCL IND 15
90 RCL IND 13
91 /
92 3
93 FS? 29
94 ST* Y
95 RCL IND 16
96 RCL IND 04
97 *
98 RCL IND 15
99 -
100 RCL IND 13
101 /
102 ST- IND 14
103 *
104 +
105 ST- IND 16
106 1
107 ST+ 15
108 ST+ 16
109 ISG 14
110 GTO 13
111 FS?C 29
112 GTO 10
113 ST+ 04
114 ISG 13
115 GTO 11
116 SF 29
117 GTO 11
118 LBL 10
119 RCL 10
120 0
121 ADV
122 LBL 02
123 "Y"
124 FIX 0
125 ARCL X
126 " ="
127 FIX 7
128 ARCL IND Y
129 AVIEW
130 ISG X
131 X<>Y
132 ISG Y
133 GTO 02
134 GTO 14
135 LBL 20
136 1
137 RTN

138 END

```
00DFC000F300524B8A9C00A91DA815F34E3D3F8E3413421212
4035A8199BF3113B373840AA19B100F453495A459B738E0112
36393083527640314332249305121040920B111B1343121040
3E3A02F1599B0CF3203D3F8E918E960C71960EB200F5494E43
3D3F8E3C0F1A1010123D1634330C2A3E2B3F2591100DAE8E2C
42918F960F71960EBD002B3F2A3E0E908F908D4313AC1D9472
9090908442908F41908D43938E4240939011920F9210960EBE
00AA1DBB009204960DBC00A81DBC000B2A108F03F1599C009B
73F2203D9C079BF27E9673719672B300BF00CF141185C0000D
69
```

223 BYTES

HP-41C 1st Order Diff. Eqns. by Valentin Albillo PPC V8 N1 P19 Jan-Feb 1981

Program Registers Needed: 32

Row 1 (1 - 5)



Row 2 (6 - 14)



Row 3 (14 - 23)



Row 4 (23 - 31)



Row 5 (32 - 42)



Row 6 (42 - 50)



Row 7 (51 - 57)



Row 8 (57 - 63)



Row 9 (63 - 73)



Row 10 (74 - 82)



Row 11 (82 - 91)



HP-41C 1st Order Diff. Eqns. by Valentin Albillo PPC V8 N1 P19 Jan-Feb 1981

Row 12 (92 - 99)



Row 13 (100 - 108)



Row 14 (108 - 114)



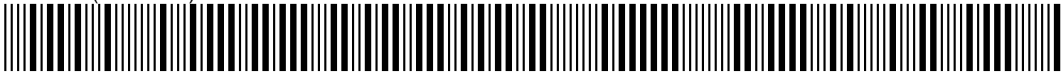
Row 15 (115 - 123)



Row 16 (124 - 130)



Row 17 (130 - 138)



Row 18 (138)

