

TWO BALLY BASIC PROGRAMS

HEX MEMORY LIST

BY DAVID MARLOW

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10 NT=0
20 INPUT"DECIMAL ADDRESS?"A
30 B=A;TV=13;GO SUB 100;F=C;GO SUB 130
40 F=B-Ex256;GO SUB 130
50 TV=62
60 FOR X=1TO3
70 B=%(A);GO SUB 100
80 F=B-Ex256;GO SUB 130;F=C;GO SUB 130
90 A=A+2;NEXT X;GO TO 30
100 IF B<0 GO TO 120
110 E=B+256;C=E;RETURN
120 B=B+32767+1;E=B+256;C=E+128;RETURN
130 D=F+16;TV=32;GO SUB 150
140 D=F-D+16;GO SUB 150;RETURN
150 IF D>9 TV=D+55;RETURN
160 TV=D+48;RETURN

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WAVE MAKER

BY DAVID MARLOW

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10 BC=118;FC=3;NT=1
20 CLEAR
30 INPUT"HARMONIC A="A
40 IF A=0 GO TO 660
50 INPUT"MULTIPLIER A="D
60 INPUT"HARMONIC B="B
70 IF B=0 GO TO 660
80 INPUT"MULTIPLIER B="E
90 INPUT"HARMONIC C="C
1100 IF C=0 GO TO 660
110 INPUT"MULTIPLIER C="F
120 PRINT"THINKING"
130 T=AxBxC
140 IF T<0 T=-T
150 IF T<18 T=Tx2;GO TO 150
160 G=0;H=0;I=0;J=0;K=0;L=0
170 M=1;N=0;O=0;V=1;Z=0
180 GO SUB 620
190 U=N;GO SUB 580
200 IF S=0 GO TO 180
210 GO SUB 630
220 U=G;GO SUB 580
230 IF S=0 GO TO 210
240 GO SUB 640
250 U=H;GO SUB 580
260 IF S=0 GO TO 240
270 GO SUB 650
280 U=I;GO SUB 580
290 IF S=0 GO TO 270
300 CLEAR
310 Q=JxD;IF Q<0 Q=-Q
320 U=KxE;IF U<0 U=-U
330 P=LxF;IF P<0 P=-P
340 W=(O+Q+U+P)+44
350 IF T>35 V=2;IF T>70 V=3;IF T>105 V=4;
IF T>140 V=5
360 R=(O+JxD+KxE+LxF)+W-1
370 IF A<0 G=0;J=0
380 IF B<0 H=0;K=0
390 IF C<0 I=0;L=0
400 Y=(O+JxD+KxE+LxF)+W-R
410 X=Z+V-80
420 BOX X,Y,1,1,1
430 U=N;GO SUB 580
440 IF S=1 M=-M
450 U=G;GO SUB 580
460 IF S=1 A=-A
470 U=H;GO SUB 580
480 IF S=1 B=-B
490 U=I;GO SUB 580
500 IF S=1 C=-C
510 GO SUB 620
520 GO SUB 630
530 GO SUB 640
540 GO SUB 650
550 Z=Z+1
560 IF X>78 U=KP;GO TO 20
570 GO TO 400
580 S=0
590 IF U=T S=1
600 IF U=-T S=1
610 RETURN
620 N=M+N;O=N+O;RETURN
630 G=A+G;J=G+J;RETURN
640 H=B+H;K=H+K;RETURN
650 I=C+I;L=I+L;RETURN
660 PRINT"HARMONIC CANT=0"
670 PRINT"TRY AGAIN"
680 GO TO 30

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