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10 ' =====
20 ' Three Dimensional Sine Wave.
30 '
40 ' Written By M.J.Evans. for PCW.
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60 ' =====
70 '
80 DEFINT x,y,s,m
90 CLEAR:DIM t(640):CLS:MODE 1:INK 1,26:PEN 1:PAPER 0:INK 2,20:INK 3,6:INK 0,0:B
ORDER 0:MODE 1:INPUT "Mode (1 or 2)":mo
100 IF mo=1 OR mo=2 THEN MODE mo:GOTO 110
110 INPUT "Sine Addition (0-360) (45):",s
120 INPUT "Size of humps (50):",si:INPUT "Amount of humps (3):":d:d=((2%PI/15)/2
)%d:INPUT "Horizontal Step (.05):",st:INPUT "Back Step (.5):",bs:CLS:w=0
130 FOR n=0 TO 15 STEP bs:nd=n*d:n1=n*10:n2=n*20
140 FOR m=0 TO 15 STEP st:y=SIN(m*d+s)*SIN(nd+s)*si+m*10+n1
150 q=320+n2-m*20:x=320-n2+m*20:IF y>t(x) THEN PLOT x,y:PLOT q,y:t(x)=y
160 NEXT m,n
170 ENT -1,10,-10,1,1,100,1
180 SOUND 2,140,32767,15,,1

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