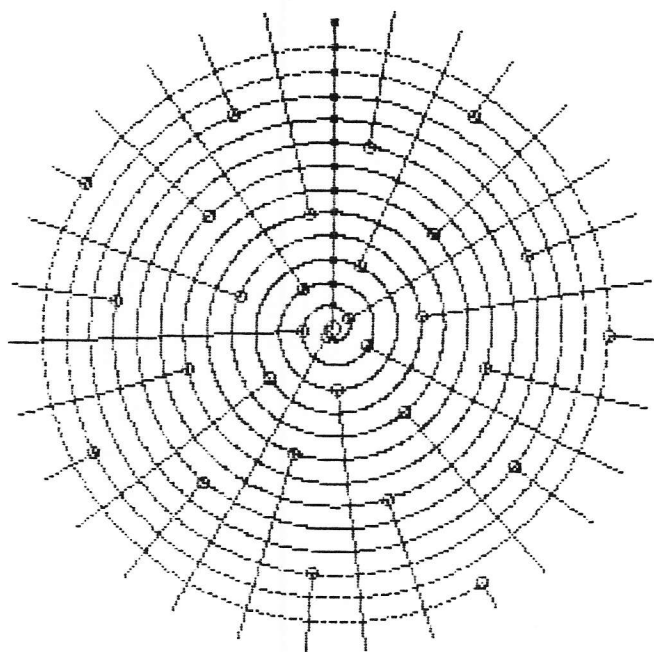
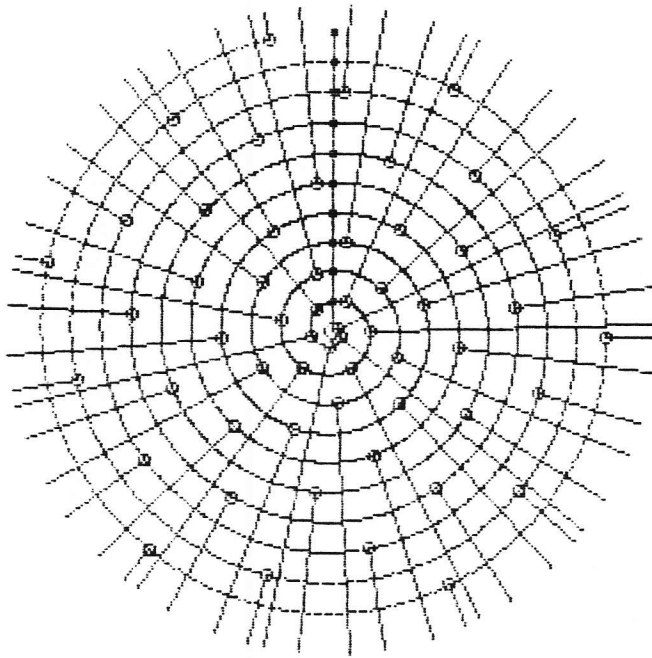


Not for distribution. E.W.

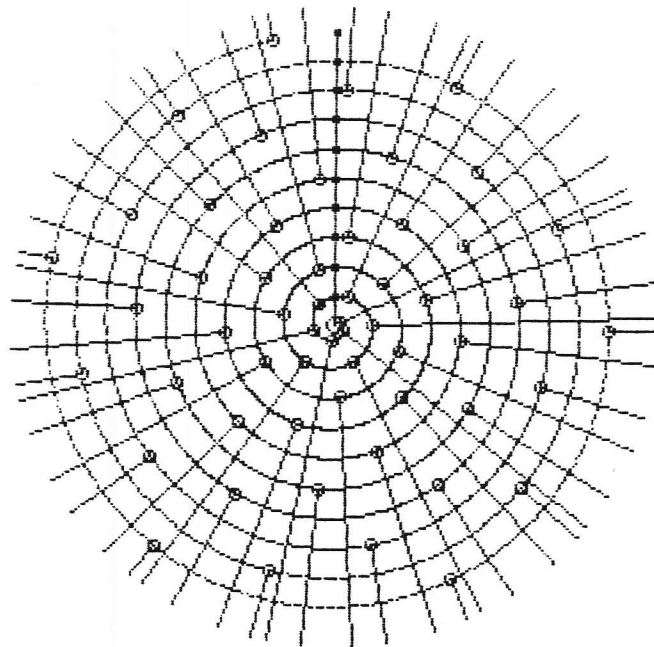
30 Notes of 1/4-C Meantone Fourth as a 13 -turn Archimedean spiral



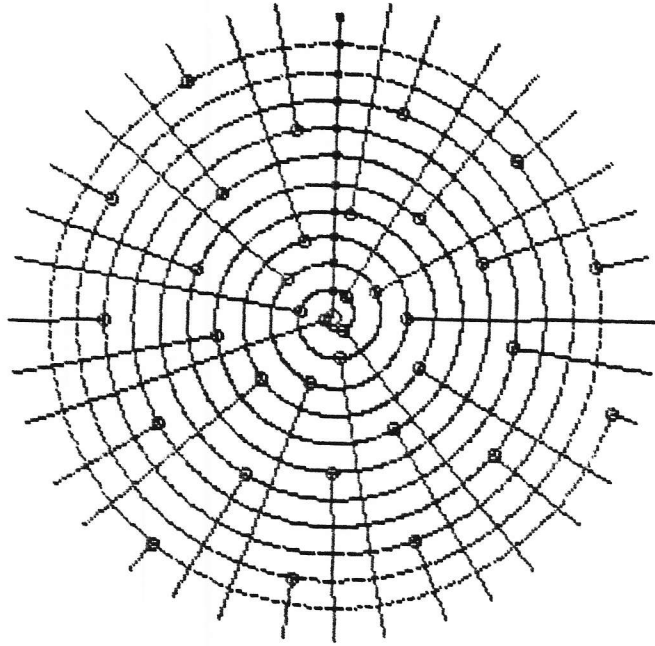
56 Notes of Wilson Omega as a 10 -turn Archimedean spiral



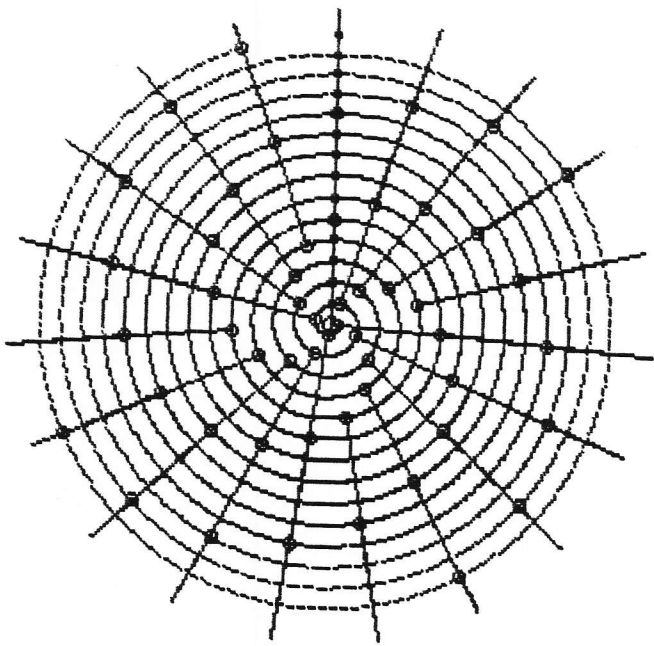
56 Notes of Wilson Omega as a 10 -turn Archimedean spiral



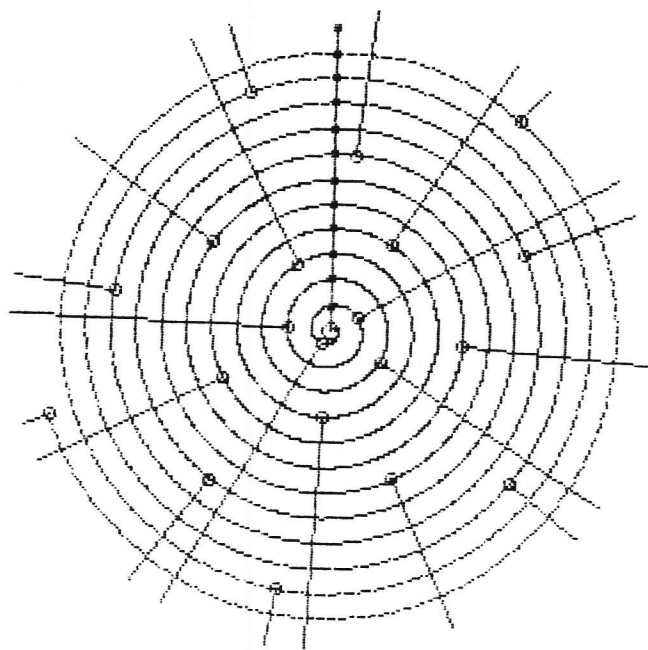
35 Notes of  $2/\text{PHI}$  as a 11 -turn Archimedean spiral



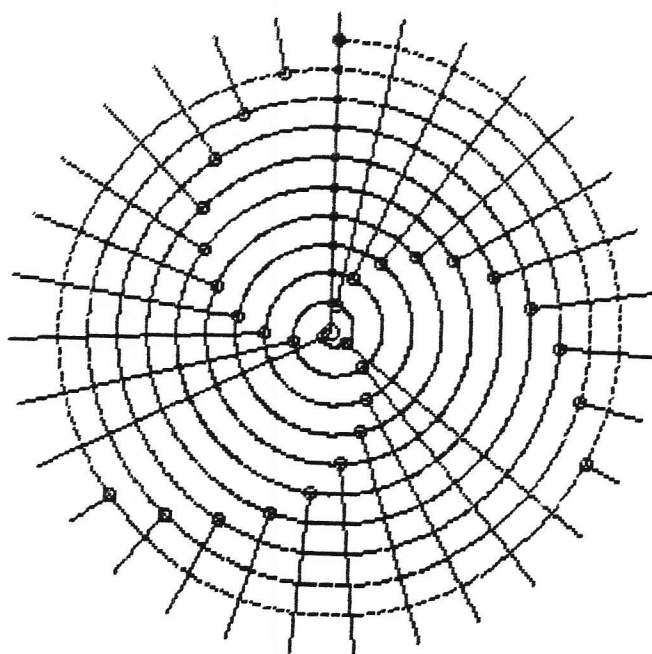
53 Notes of 19-Tet minor thirds as a 14 -turn Archimedean spiral



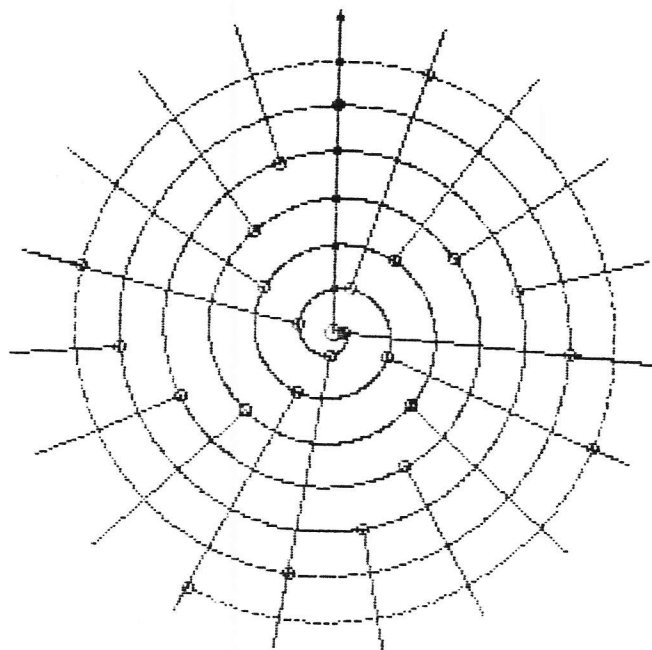
20 Notes of Pythagorean as a 12 -turn Archimedean spiral



31 Notes of Tmajor/31 as a 10 -turn Archimedean spiral



25 Notes of 19-Tet minor thirds as a 7 -turn Archimedean spira



```

REM Wilsonion plots on Archimedean spirals
pi= 3.1415926#
p2=pi/2
ST1#=" as a"
ST2# ="-turn Archimedean spiral"
RESTORE scales
start:

READ S, A, L#, X,Y,D
IF S<=0 THEN GOTO finis
IF D <0 THEN D=-1 ELSE D=1
A=A/1200
M=A*S
Mp=CINT(M)
K=17.5/M
PRINT S;"Notes of ";L#;ST1#;Mp;ST2#
MM=2*M*pi
N=500*M
theta=0
FOR i= 1 TO N
theta = theta+ MM/N
R= K*theta
xcor= R * COS(D*theta-p2)+X
ycor= R * SIN(D*theta-p2)+Y
PSET ( xcor, ycor)
NEXT

REM Plot notes of scale or intervals in set
REM mark the 1/1
CIRCLE (X, Y), 3
theta=0
PC=0
FOR i= 1 TO S
PC= PC+ A
theta=MM*PC/M
R=K*theta
xcor= R * COS(D*theta-p2)+X
ycor= R * SIN(D*theta-p2)+Y
CIRCLE (xcor, ycor), 2
R3=K*MM+10
xcor3= R3 * COS(D*theta-p2)+X
ycor3= R3 * SIN(D*theta-p2)+Y
LINE (xcor,ycor)-(xcor3,ycor3)
NEXT

REM connects origin to end
Mx=2*Mp*pi
theta=0
FOR i= 1 TO Mp
theta = theta+ Mx/Mp
R= K*theta
xcor4= R * COS(D*theta-p2)+X
ycor4= R * SIN(D*theta-p2)+Y
LINE ( xcor4,ycor4)-(X,Y)
CIRCLE (xcor4, ycor4), 1
NEXT

PRINT " Another?, enter Y <CR>."
INPUT BB#
IF BB# = "Y" OR BB#="y" THEN CLS: GOTO start

```

finis:  
END

REM the final field determines the direction of the spiral, Positive  
REM for clockwise, negative for counterclockwise.

scales:

DATA 25, 315.79, "19-Tet minor thirds",225, 160, 1  
DATA 56, 213.53, "Wilson Omega",225, 160,1  
DATA 30, 503.42, "1/4-C Meantone Fourth",225, 160,-1  
DATA 05, 366.91, "2/PHI",225, 160,-1  
DATA 53, 315.79, "19-Tet minor thirds",225, 160, 1  
DATA 20, 701.955, "Pythagorean",225, 160, 1  
DATA 31, 387.097, "Tmajor/31",225, 160,-1  
DATA 12, 1000, "12-Tet ints",225, 160,-1  
DATA 41, 292.68, "41-Tet ints",225, 160, 1  
DATA 19, 1136.84, "19-Tet ints",225, 160,-1  
DATA 12, 1100, "12-Tet ints",225, 160,-1  
DATA 9, 833.09, "PHI",225, 160,-1  
DATA 13, 833.09, "PHI",225, 160 ,1  
DATA 20, 701.955, "Pythagorean",225, 160, -1  
DATA 30, 503.42, "1/4-C Meantone Fourth",225, 160,1  
DATA 0, 0, " ",0, -1