

Re: a double spiral type that is like the Threshold TV show crop circle

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*Source:* <http://sci.tech-archive.net/Archive/sci.fractals/2005-12/msg00025.html>

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- *From:* Michael Wilt <[melmoth12000@xxxxxxxxxx](mailto:melmoth12000@xxxxxxxxxx)>
  - *Date:* Wed, 14 Dec 2005 11:03:37 -0500
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Roger Bagula wrote:

Dear sam ende,  
The program runs in the student version of True Basic  
or a Bronze version.  
True basic is also translatable to QBasic or VisualBasic.  
True basic links:  
<http://www.truebasic.com/>  
<http://www.truebasic.com/demo.asp>

4) Basic to True BASIC Converter  
Software Windows (BToTBSetup.exe)  
A utility to help translate your vintage Basic  
files to True BASIC. For simple programs, the  
translation may be 100%. For more complicated  
programs, you will probably have to make slight  
modifications here and there. Documentation  
included.

sam ende wrote:

Roger Bagula wrote:

hi, what do i do with this type of script to see/generate the fractal ?

sammi

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A threshold type IFS:
SET BACKGROUND COLOR "white"
LET x=0
LET y=0
LET a=0
LET b =0
LET s1=6000
LET s2 =s1*1062/1922
RANDOMIZE
PRINT"   Threshold type fractal I.F.S."
PRINT"   BY R.L.BAGULA 11 Oct 2005 @  "
FOR n= 1  TO  8000000
  LET a =RND
  LET r=sqr(3)
  LET sc=(1/3^(1+3^mod(n,9)))
SET COLOR"red"
  IF a <= 1/4 THEN
    LET x1=y/r+1*sc
    LET y1=-x/r

    END IF
  IF a<= 2/4 AND  a>1/4 THEN
    LET x1=y/r-sc*1/2
    LET y1=-x/r+sc*sqr(3)/2

    END IF
  IF a<= 3/4 AND a>2/4 THEN
    LET x1=y/r-sc*1/2
    LET y1=-x/r -sc*sqr(3)/2

    END IF
  IF a<= 1 AND a>23/4 THEN
    LET x1=y/r
    LET y1=-x/r

    END IF
  LET x=x1
  LET y=y1
  IF n>10 THEN PLOT 1922/2+s1*x,1062/2+s2*y
NEXT n
END
```

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This most certainly does not run on True Basic Bronze after a new install. Line 14 generates a function overflow error (1003).

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