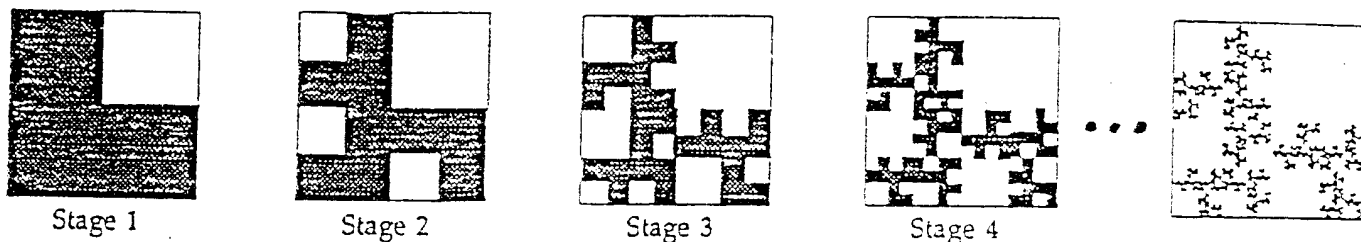# Making Fractals Using Geometric Genetic Codes
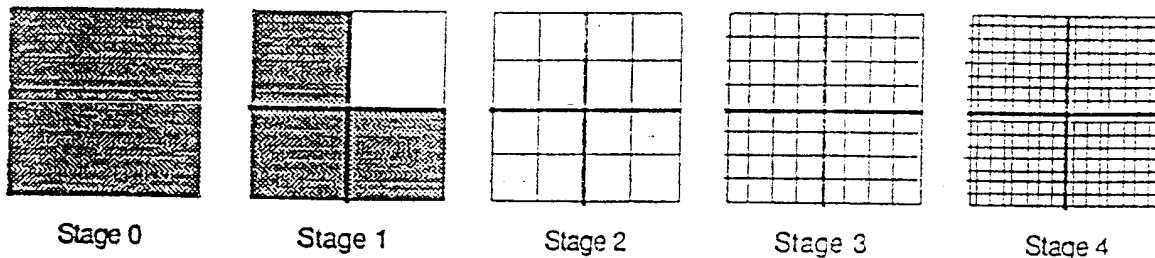
This example shows the method applied to generating the fractal with the geometric genetic code $(V, R_{90}, D_{\bar{7}})$.
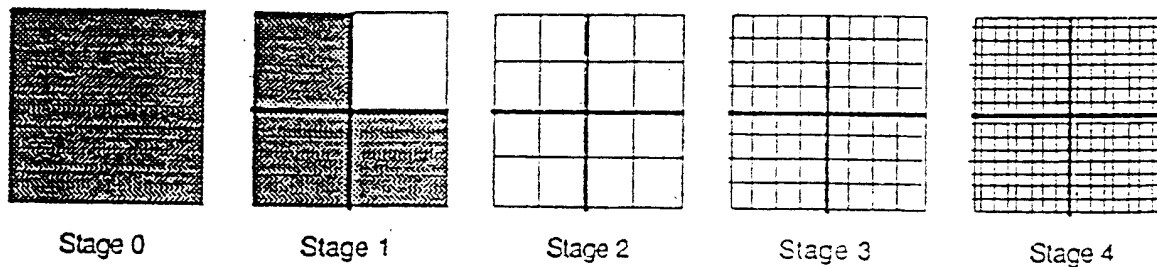
Stage 1	Stage 2	Stage 3	Stage 4	...

The geometric genetic code is the building code. Applied over and over, always on the final stage, an underlying fractal image in this fractal generating process the eight motions of the square to and C.

The rebuilding step image from the preceding emerges. The rebuilding step assigns a particular one of each of the three cells, A, B,

Using the two different geometric genetic codes, apply them to generate states 2, 3, and 4 below, shading in entire pixels at each stage.
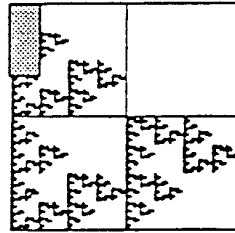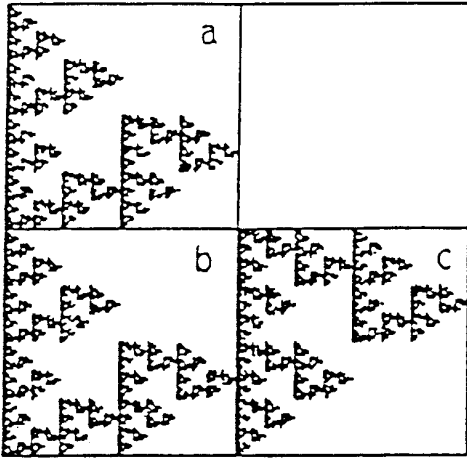
1. Use the code: V, I, H

Stage 0	Stage 1	Stage 2	Stage 3	Stage 4

2. Use the code: R_{180}, I, R_{180}

Stage 0	Stage 1	Stage 2	Stage 3	Stage 4

Susan Simon
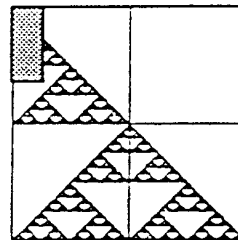Standards Dissemination Project
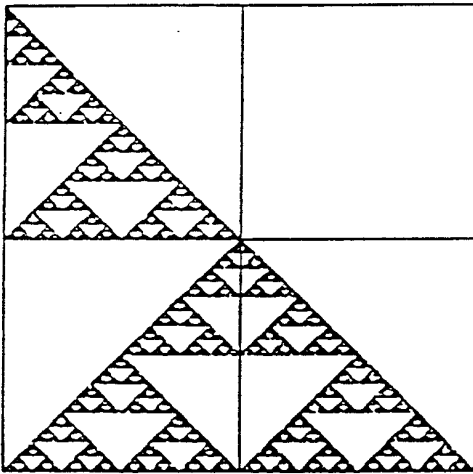New Jersey Mathematics Coalition
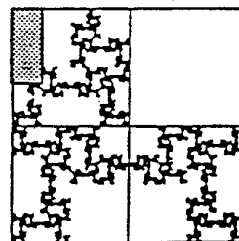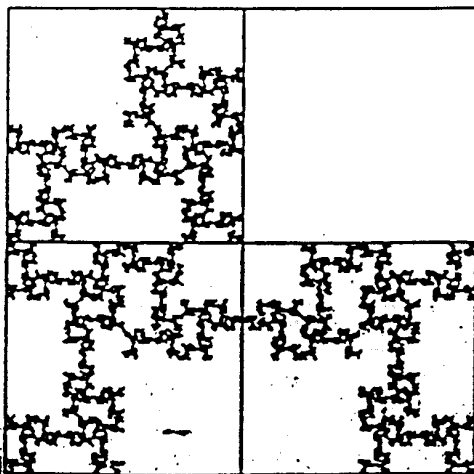July 1998

GEOMETRIC GENETIC CODE

a. ____

b. ____

c. ____

a. ____

b. ____

c. ____

a. ____

b. ____

c. ____