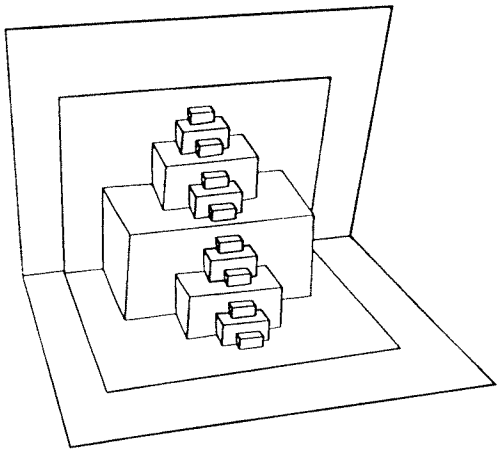
Fractal Cut Pop-Up Cards



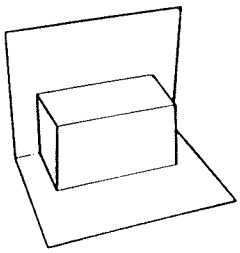
The cuboids of successive generations of this fractal are half as wide and double in number as your cuboids approach the center line.

This is one of the simplest fractal cards to make. However, it shows a lot of the properties of a fractal, including self-similarity and infinite detail.

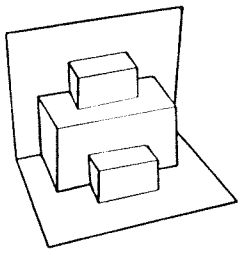
As you "zoom in " on the card, it mimics the whole fractal even with only four generations of the card. It is also evident that this pattern could continue infinitely.

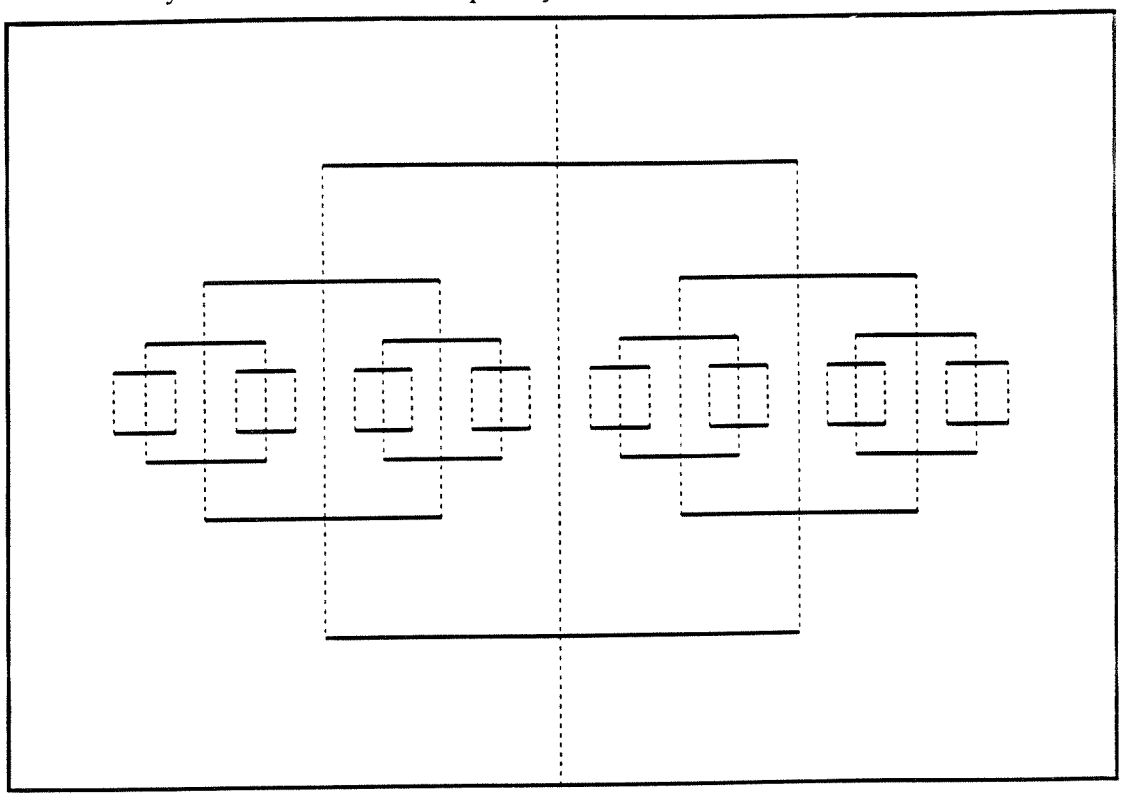
DIRECTIONS:

1. Fold the paper in half making halves that are 8.5" x 5.5 " each. Find the length of the fold and from each edge, measure ¼ of the way in towards the center. Make a cut (from the fold at each of those quarter marks) that is one half of the distance from the fold to the edge of the paper. See drawing below. ------- = fold
_____ = cut



2. Fold and crease the fractal cut, one generation at a time, using the diagrams as a guide. Make sure that after each set of folds that your card will fold completely flat.





Adapted from ***Fractal Cuts – Exploring the magic of fractals with Pop-up designs*** by Diego Uribe, Tarquin Publications, 1998