

## JULIA SETS

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CATEGORY: Fractals

### APPLICATION:

This illustrates the drawing of Julia sets and the self-similarity which can be shown by dragging a rectangle on the drawn Julia set.

Other values which yield interesting Julia sets are  $(0.9, -0.12)$ ,  $(0.544, 0.54)$ ,  $(0.194, -0.6557)$ ,  $(-0.11031, 0.67037)$ , and  $(0.74543, -0.1130)$  as well as many others.

### USAGE:

This application is used to demonstrate the fractal derived by this method in mathematics classes where fractals are studied.

DEVELOPMENT: NeXTSTEP 2.0