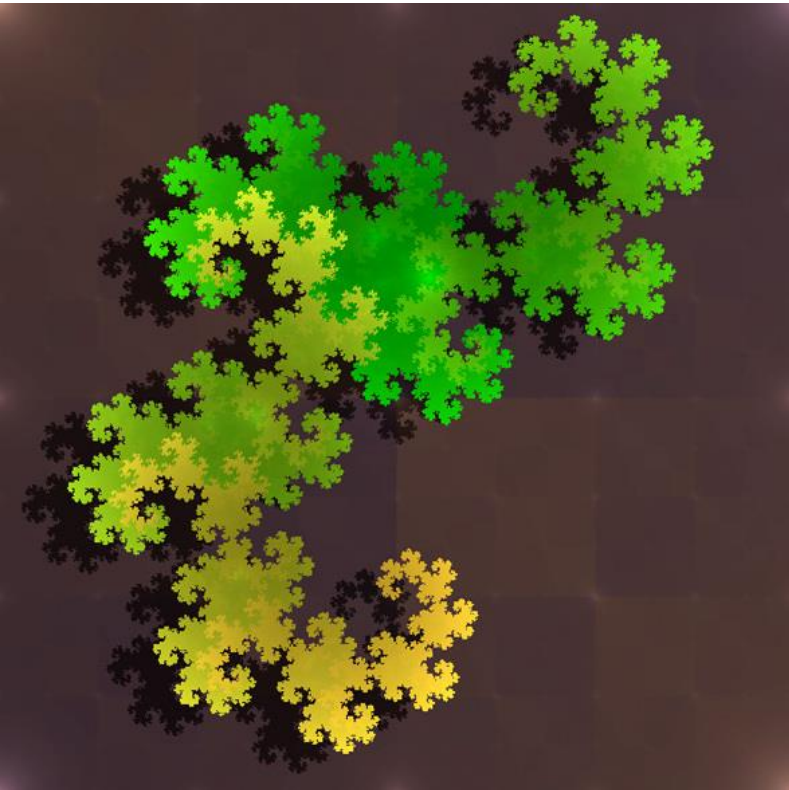


Dragon Curve

Click to add subtitle



Binary drawing Method



Folding method



Dragon curve IFS

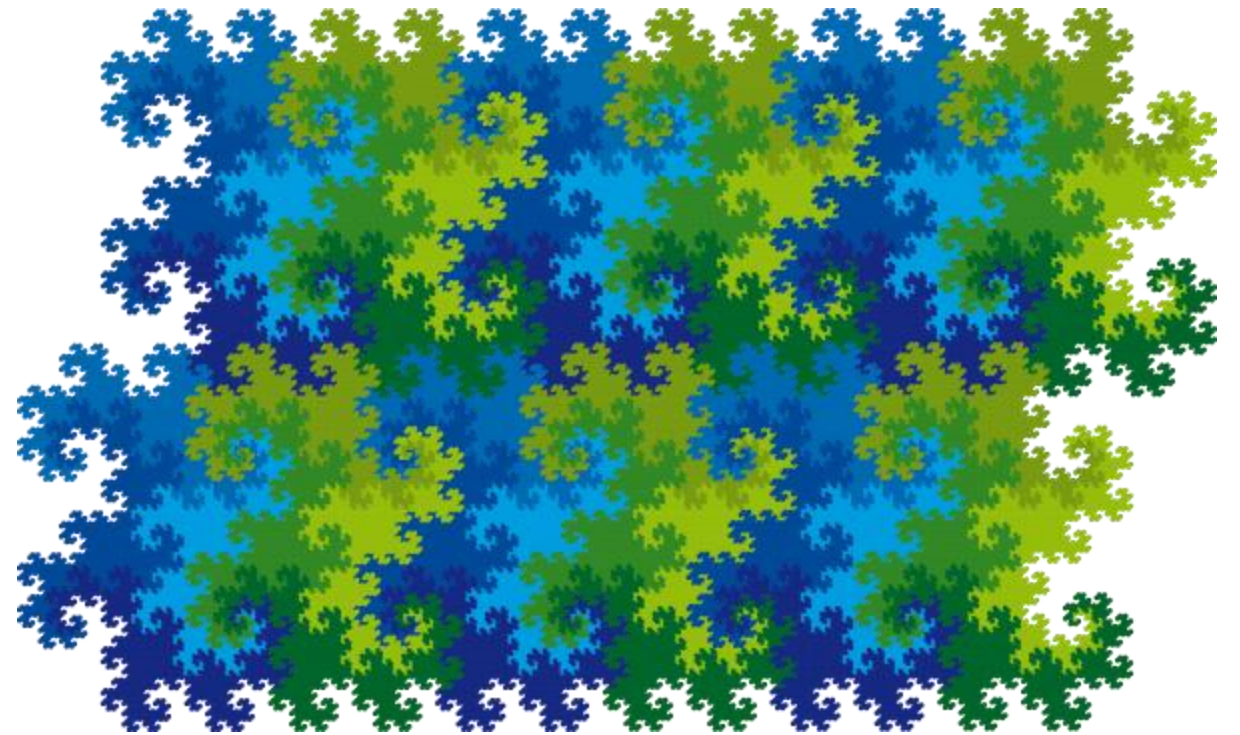
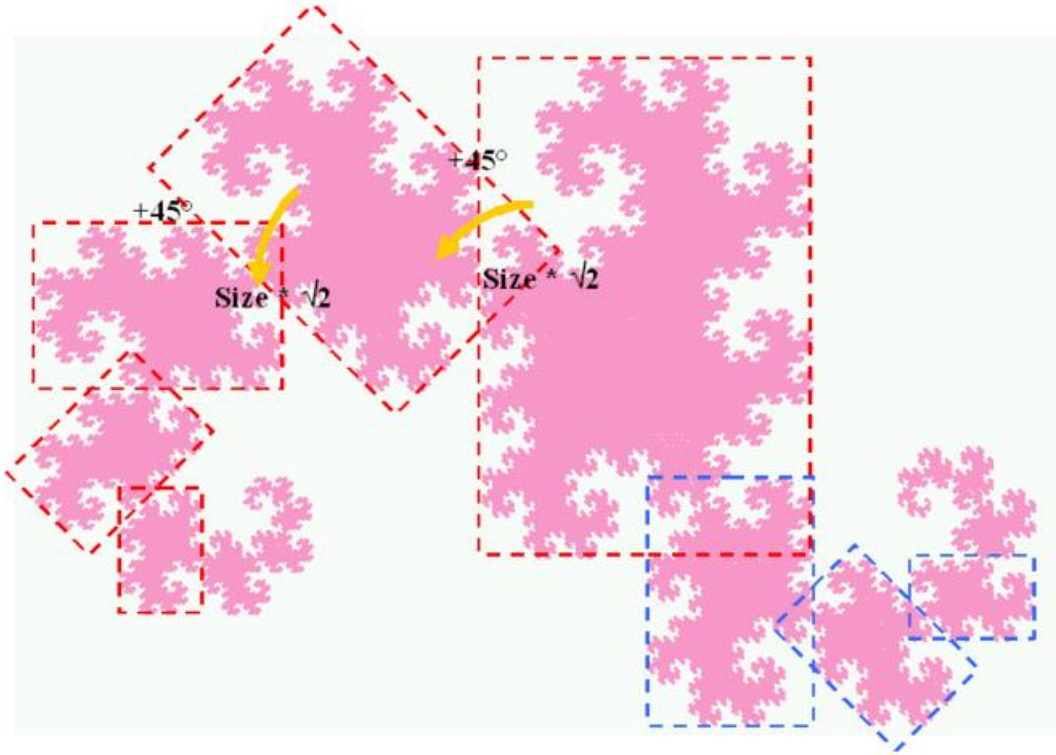
$$f_1(x, y) = \frac{1}{\sqrt{2}} \begin{pmatrix} \cos 45^\circ & -\sin 45^\circ \\ \sin 45^\circ & \cos 45^\circ \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix}$$

$$f_2(x, y) = \frac{1}{\sqrt{2}} \begin{pmatrix} \cos 135^\circ & -\sin 135^\circ \\ \sin 135^\circ & \cos 135^\circ \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} + \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$f_1(z) = \frac{(1+i)z}{2}$$

$$f_2(z) = 1 - \frac{(1-i)z}{2}$$

Intresting properties



Merch designs

