Iterated Function Systems

Affine transformation

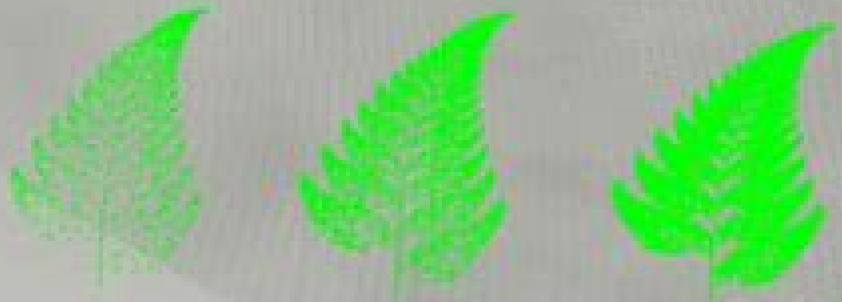
$$x_{n+1} = ax_n + by_n + e,$$
$$y_{n+1} = cx_n + dy_n + f.$$

Values of coefficients and corresponding **p**

a	b	c	d	e	f	p
0	0	0	0.16	0	0	0.01
0.85	0.04	-0.04	0.85	0	1.6	0.85
0.2	-0.26	0.23	0.22	0	1.6	0.07
-0.15	0.28	0.26	0.24	0	0.44	0.07

.

Resulting fern for 5000, 10000, 50000 iterations



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2 a2 b2 d2 in which d d is the length of the hypotenuse of a right triangle the longest side

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