



ARTIE-FRACT, USED BY ANABELA COSTA, VISUAL ARTIST

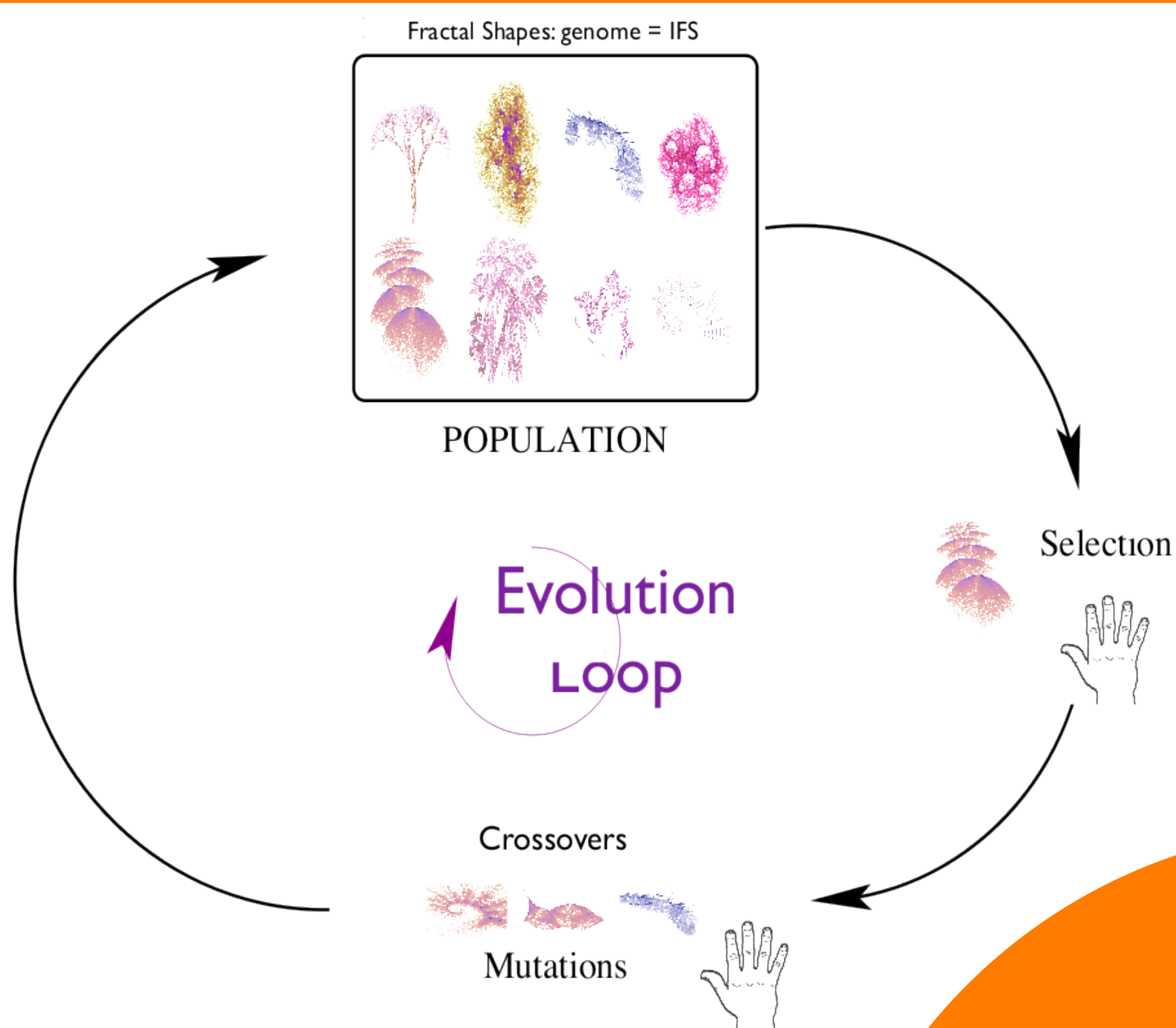
Evelyne Lutton

INRIA Saclay-Ile-de-France, AVIZ team, France

Anabela Costa

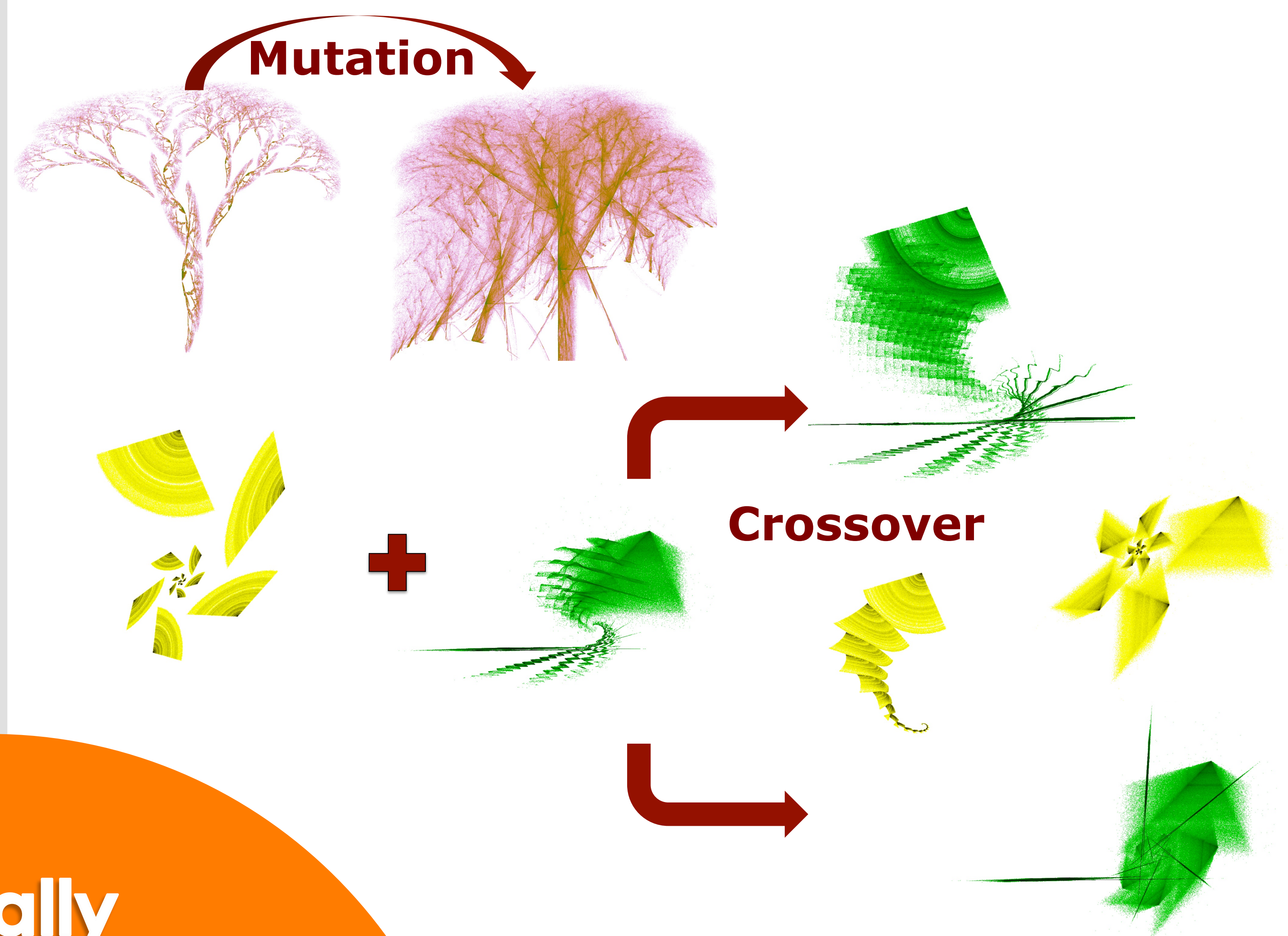
<http://www.anabelacosta.com.blogspot.fr/p/landscape-2012.html>

ArtiE-Fract : an interactive tool for shape design



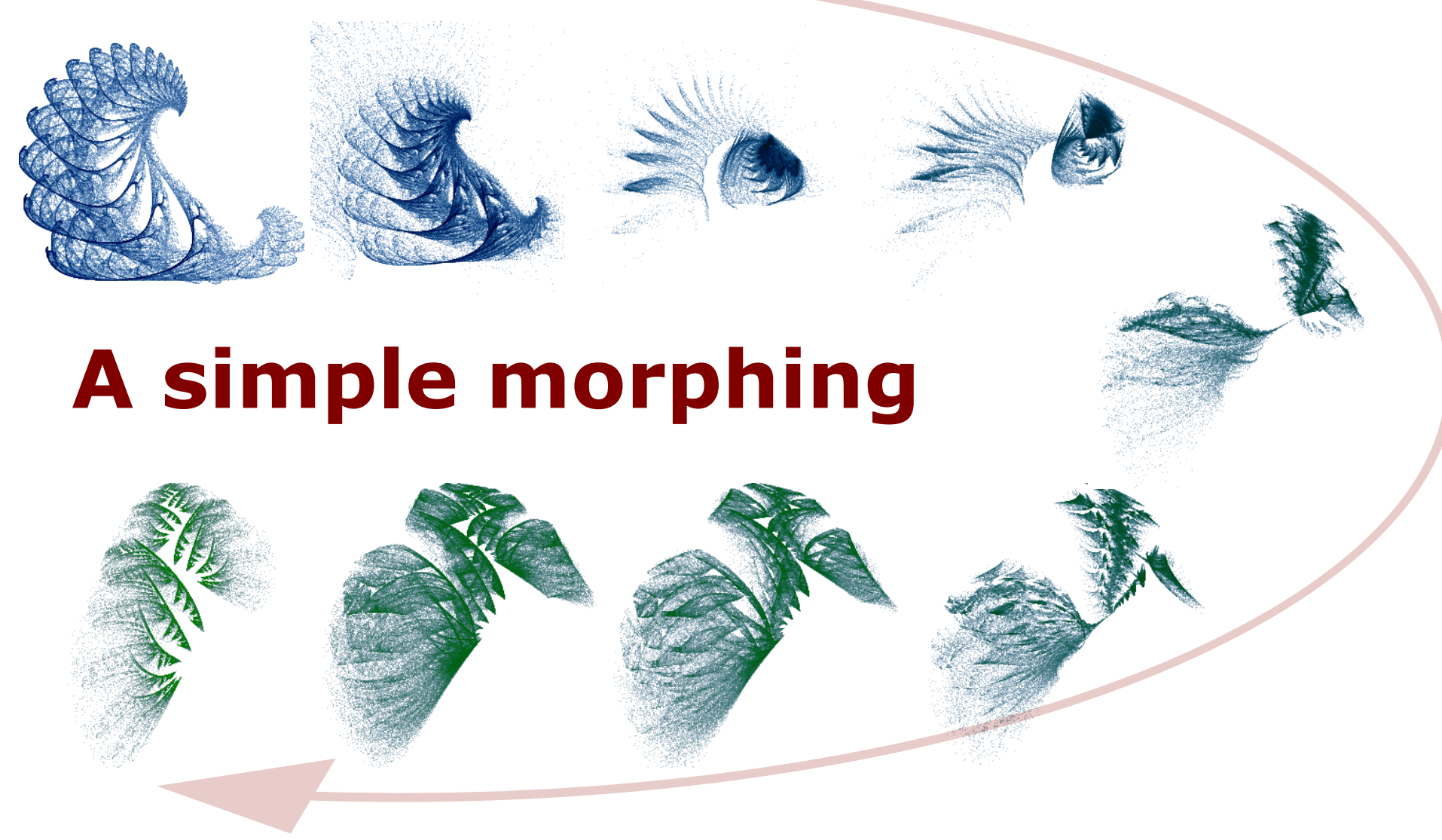
A population of images is evolved, submitted to external pressure (aesthetic evaluation), offsprings of the best ones are obtained by mutation and crossover, to build a new generation.

Simulated evolution of a population of fractals

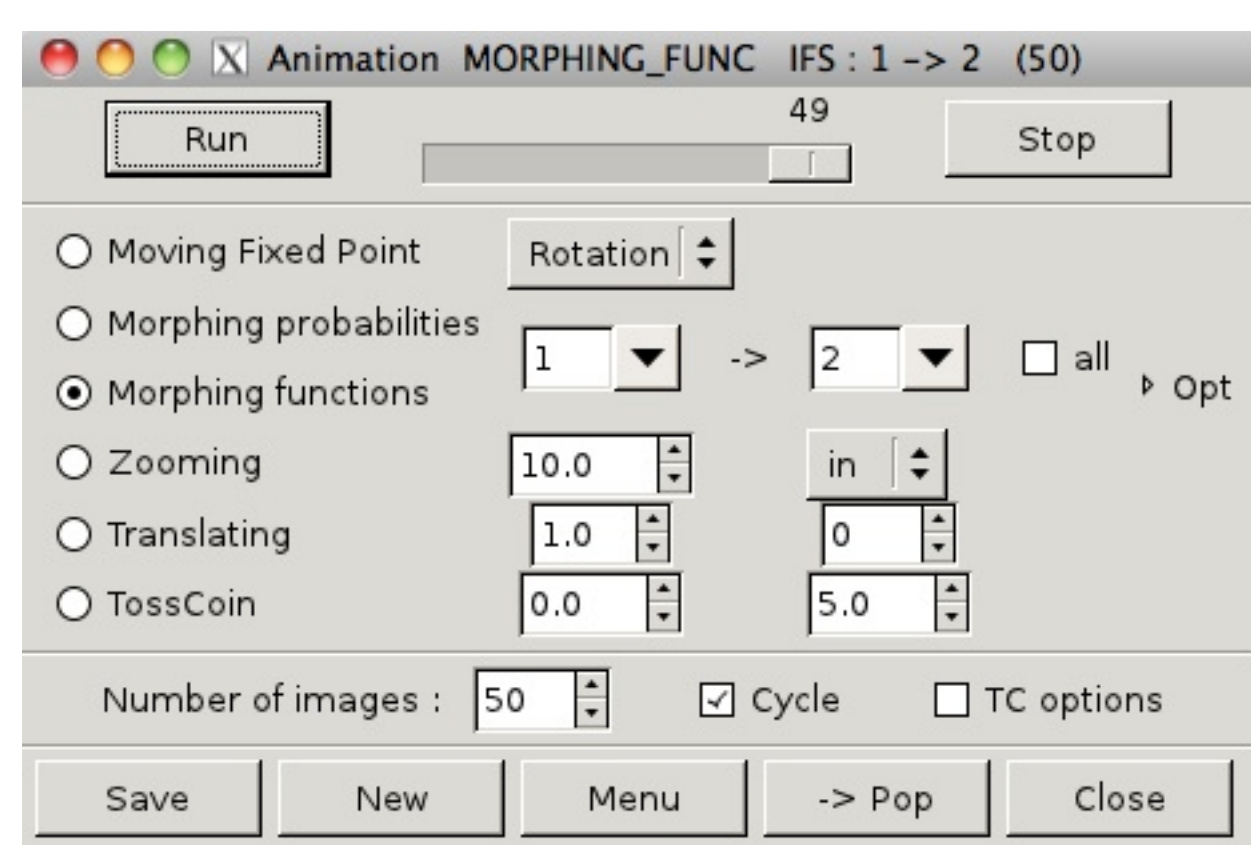


The genetic operators can be randomly or manually controlled

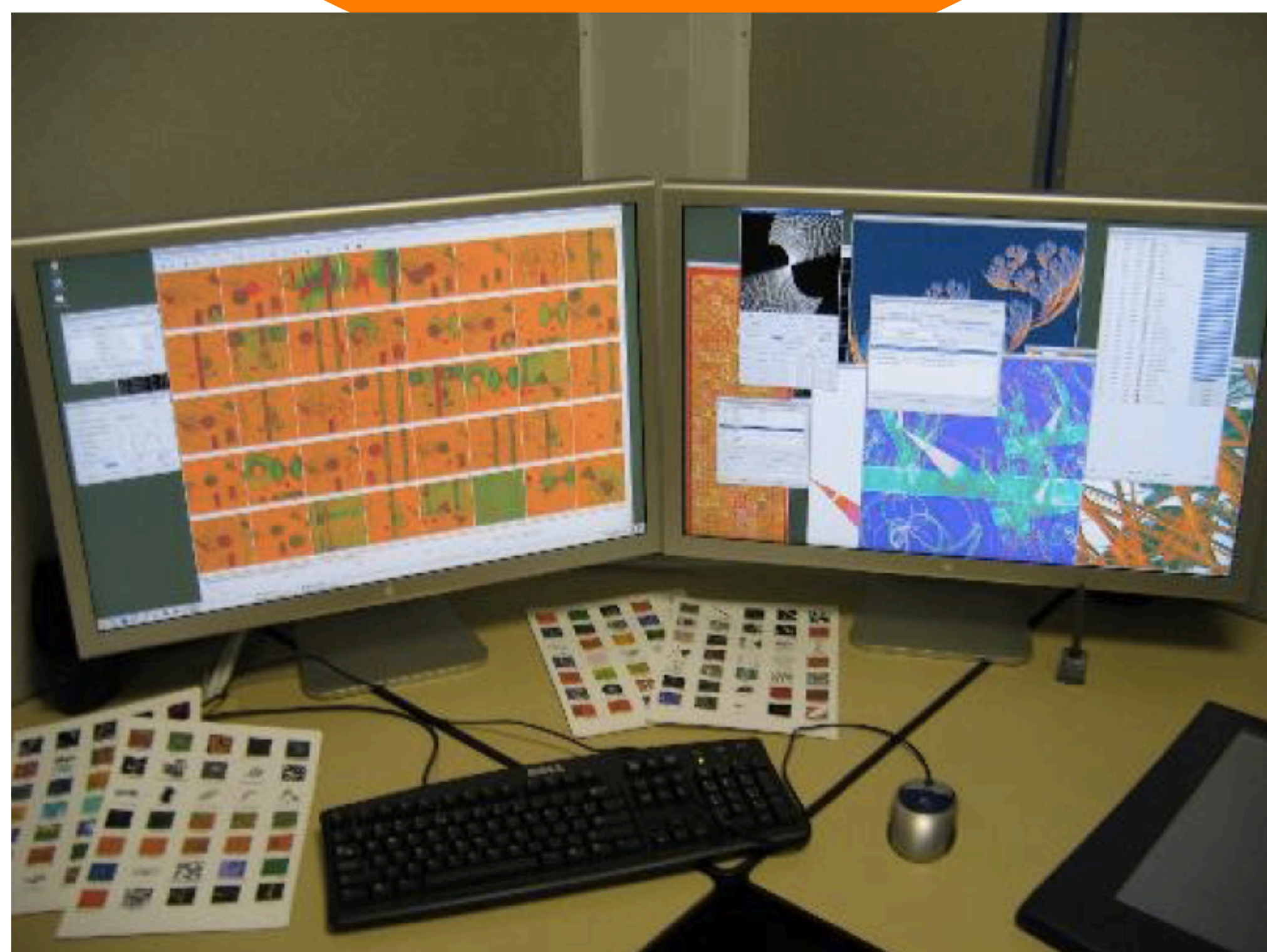
The video sequences design tool



A simple morphing

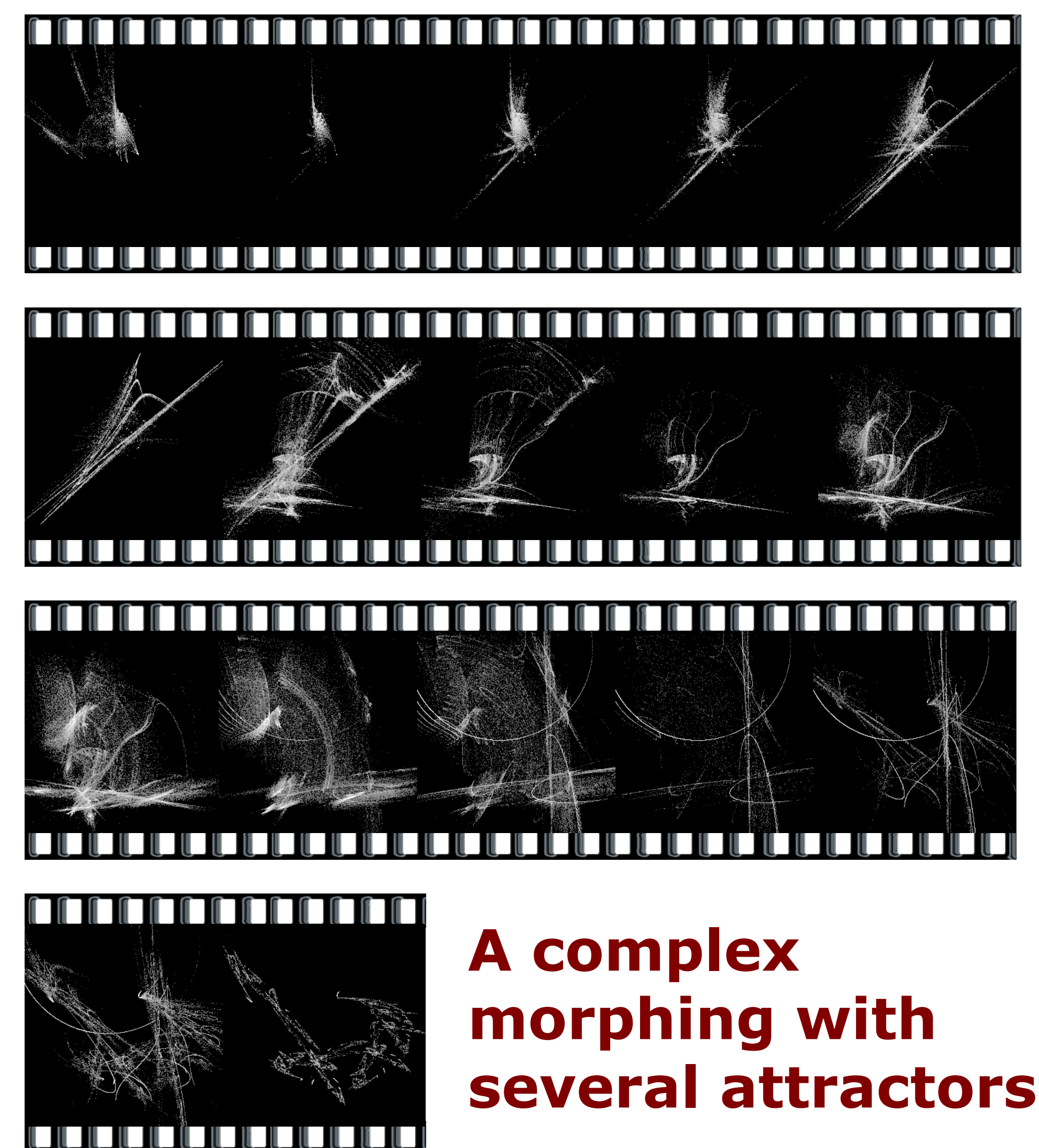


Various animation tools are available: linear morphing of functions, of probabilities, controlled movements of fixed points, zooming, or progressive computation precision.



Initially
developed for
static images
design,
ArtiE-Fract is
also convenient
for video
creation.

Landscapes : the making of



A complex morphing with several attractors

- Focus on aesthetic of movements more than on image content.
- Evolved sequences are used as raw material for video montage.