

# Chaotica basics by tatasz on DeviantArt

## Fractal Art

You have probably seen fractal artists mention Chaotica quite a few times - many people use it either standalone or as a renderer for the works they create in other software.



If you fancy IFS fractals and want to try making some, Chaotica is definitely on the list of software you should try.

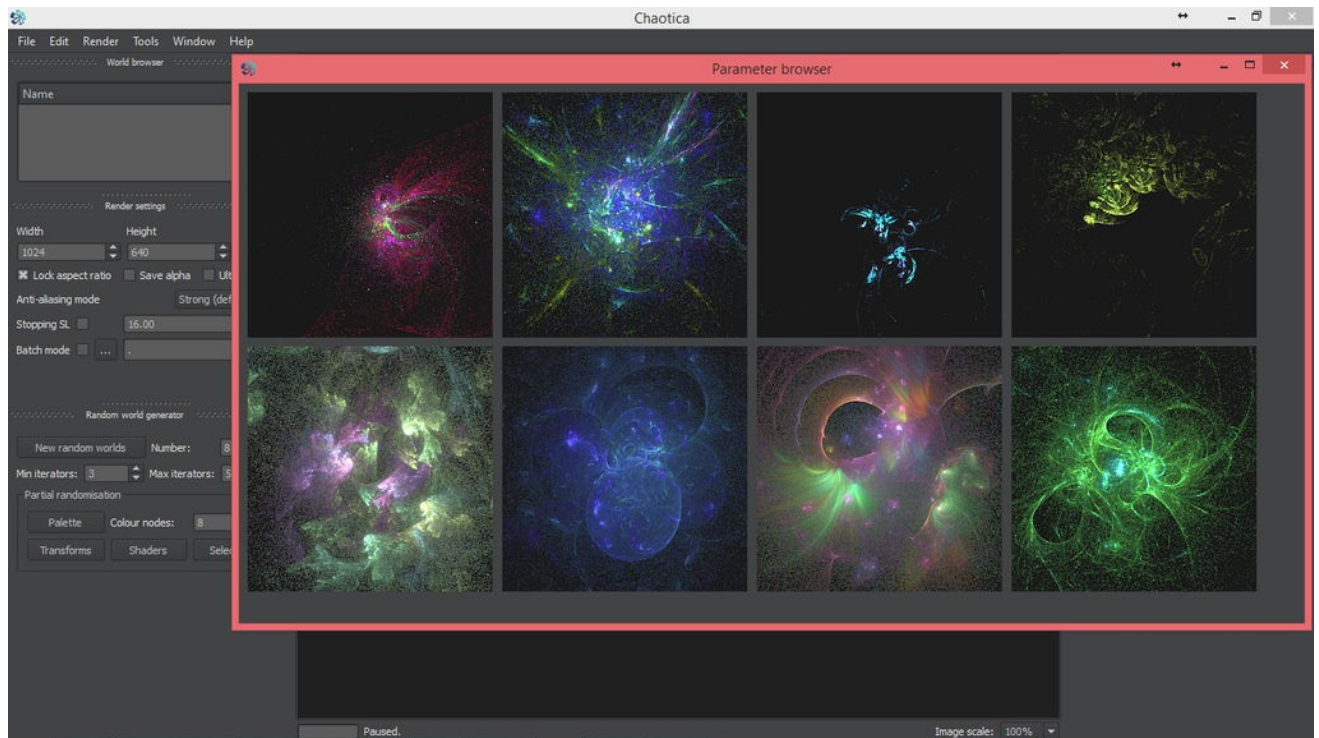
## Download

You can download it from the website: [chaoticafractals.com/](http://chaoticafractals.com/). There is a free version (with some resolution restrictions), so new users can try it out.

So... Grab it, run the installer or unzip the archive and hit the blue flower icon 🌸

## Getting started

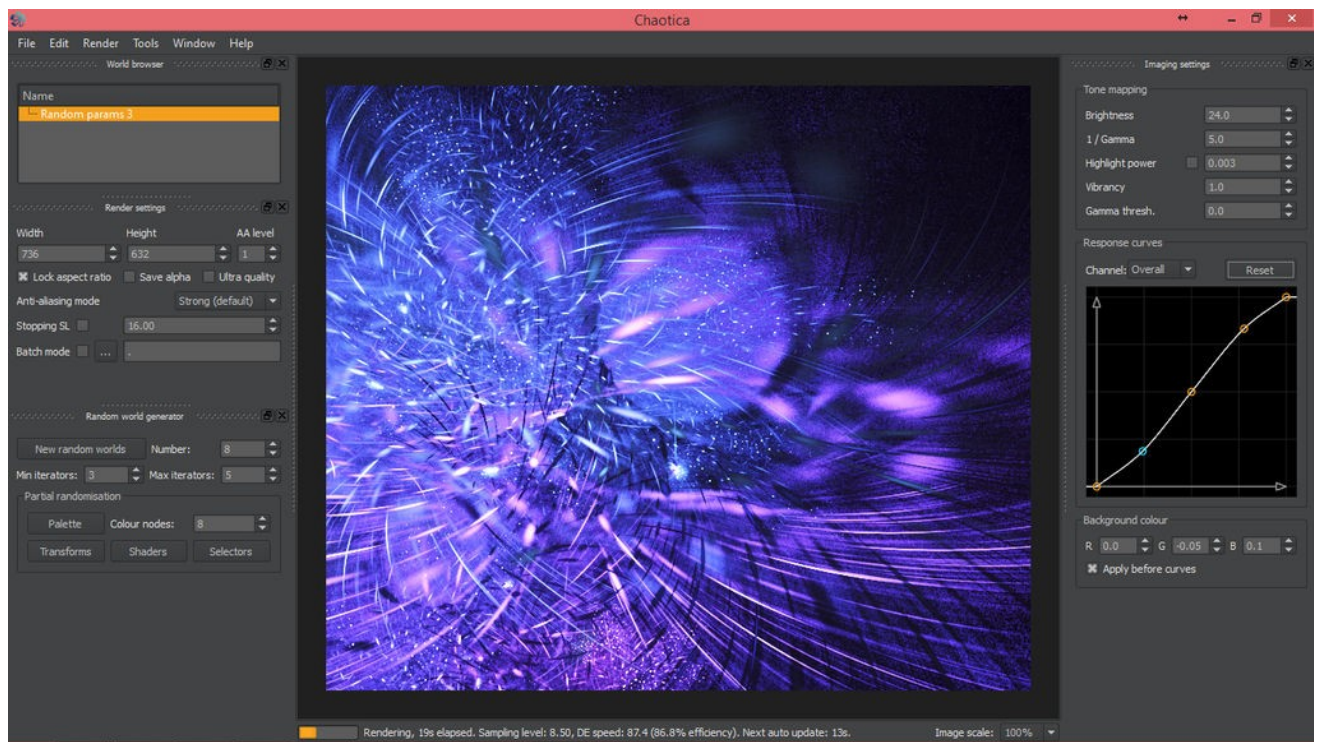
This will be the first thing you see in Chaotica:



Just click one of those randoms to have something cool to start with. Or, if none appeals to you, close this window and hit the **New Random Worlds** button for more.

In the main window, you can set your render settings (on the left on picture above), such as resolution and AA. Make sure you check the [Rendering FAQ](#) for some useful directions.

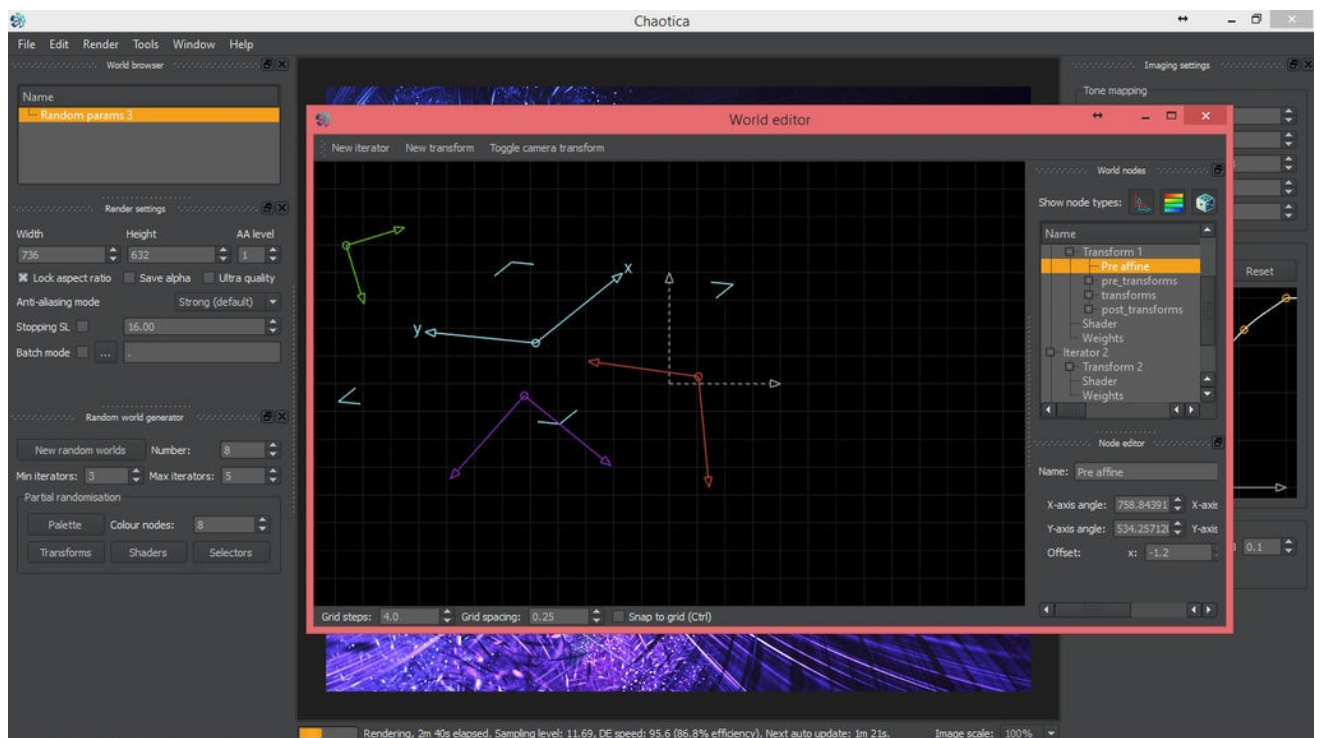
Chaotica uses progressive rendering - which means your render will not stop until you are satisfied with the result and stop it yourself. As a rule of the thumb, wait until your render reaches SL 10-12 (check this stat below the image)



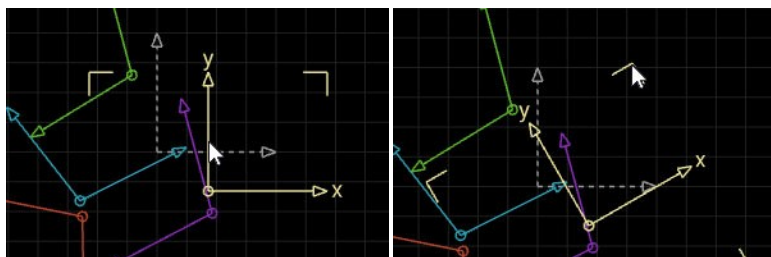
Still in the main window, you can fiddle with imaging settings. My all time fav are the colour curves (pretty much same as any image editing software such as photoshop has).

### Getting started with editing


To edit your fractal, you will need to switch to **World Editor** (press Ctrl + W):

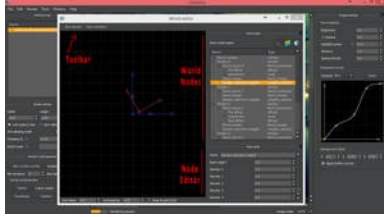


The easiest thing to do is to click on various parts of the shapes of the transformations and drag them around to change things:

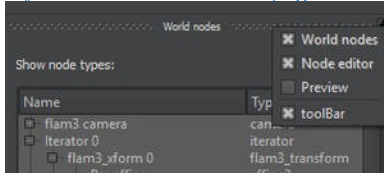


To learn a bit more about the editor, make sure you check those two tutorials:

 **“Chaotica Editor Basics - Updated** [An illustrated explanation of Chaotica`s World Editor.](#)  
It also features the Apophysis equivalents (when those exist). The left column corresponds to Chaotica, while the right column is Apo.  
This is how the Chaotica Editor looks like:



The World Editor has the following elements:  
toolbar ("New Iterator" and "New Transform" buttons) world nodes (the tree view of the iterators) node editor (details of each node)  
If you cannot see one of those, right click one of the visible widgets and click the corresponding option to make it visible again:



To zoom in and out the affine editor, use **Alt + right mouse button**.  
To move, around, **Ctrl + right mouse button**.

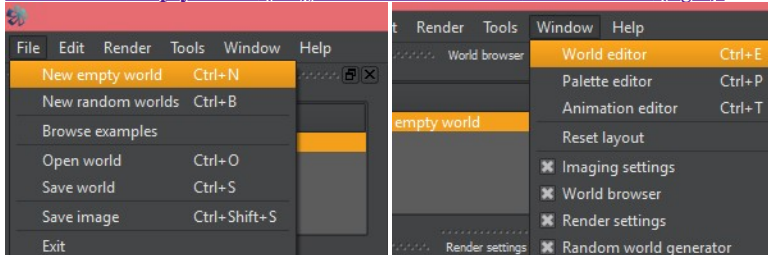
### **Iterator**

**Iterator (Chaotica)** & “ **Double Bubble in Chaotica** As people seemed interested, i decided to adapt the Double Bubble Tut by piethein21 for Chaotica.

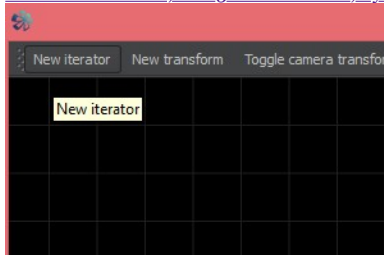
The following tutorial is just a translation of the original tuto, and all credit for developing the technique and spreading it goes to piethein21

### **Double Bubble in Chaotica**

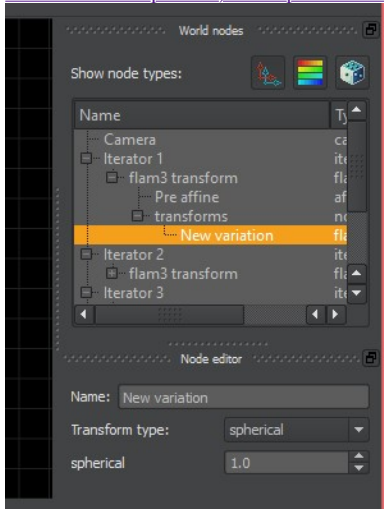
Start with an **empty world** (left), and then switch to the **world editor** (right):



Once in the editor, add 5 new iterators, by clicking the **New Iterator** button 5 times.



Now, select the **Iterator 1** in the **node editor**. Click on the **transforms** node, add a new transform by clicking the **New Transform** button on the top menu, and replace the default value with **spherical** in the **transform type** menu.



So we set a spherical tr”

The first one explains the basics of the World Editor, and the seconds teaches how to make a specific fractal framework.

### **Resources**

As Chaotica is relatively new, there are not so many resources and tutorials available.

The community is very helpful so, if you have any questions, you definitely should come and hang out. You can meet experienced Chaotica users on [Aposhack](#) and in the [Chaotica FB user group](#). Same as all fractal community, the people there are extremely friendly and eager to get you to make awesome fractals 🥰

Also, as Chaotica uses same principle as Apophysis and JW, most resources for those softwares will also work for Chaotica. For example, you can paste Apophysis parameters into Chaotica, to study / tweak them.