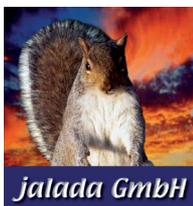


# jalada Fractal Help

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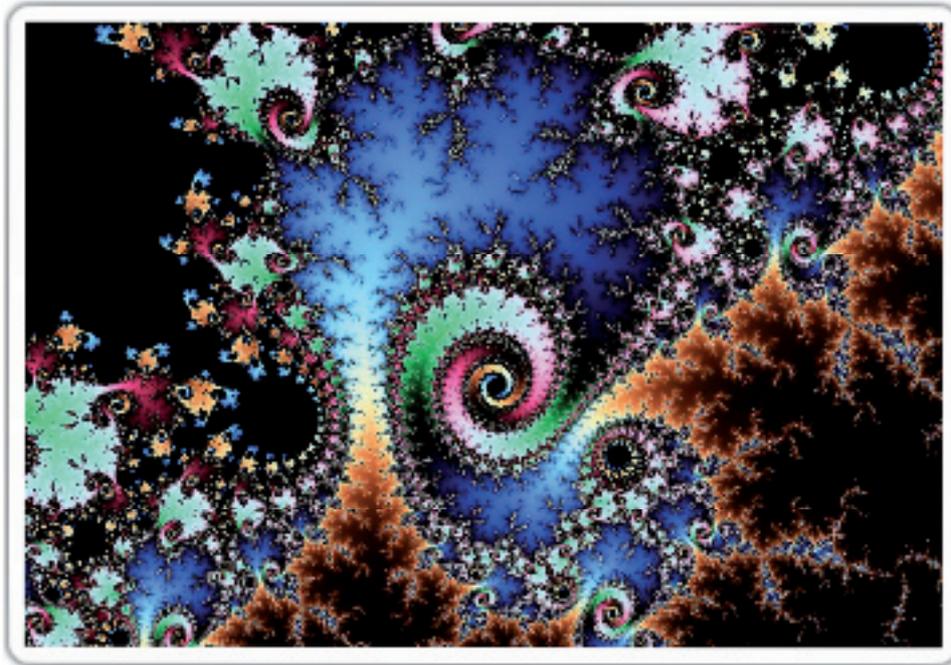
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# About jalada Fractal

jalada Fractal is a Mandelbrot family fractal generator. It uses very fast algorithms supporting SSE2 and multi-core processors. It generates high quality anti-aliased images and renders 3D scenes using OpenGL. It allows real-time navigation and dynamic generation of the Julia fractal preview.



To get started choose the menu Help->Examples and double click a fractal you like.

# Navigation 2D Mode

The following key combinations can be used to navigate over the fractal surface using the mouse:

Keys	Function
	Move the mouse away from the start point to zoom in to that point
	Move the mouse away from the start point to zoom out from that point
	Move the surface in any direction dragging it with the mouse
 + 	Move the surface in any direction dragging it with the mouse
 + 	Rotate the surface around the center dragging in with the mouse
 + 	Move the mouse up and down to zoom in and out from the center of the surface
 + 	Move the mouse left and right to rotate the surface around the center

	Rotate the wheel up and down to zoom in and out from the point under the mouse
	Rotate the wheel up and down to rotate the surface around the center
	Rotate the wheel up and down to zoom in and out from the center of the surface

You can also use the following keys when the fractal view is active:

Keys	Function
	Move the surface in any direction using the cursor keys
	Zoom out by 200%
	Zoom in by 200%

You can also use the Parameters page to edit the position, zoom and angle of the visible part of the fractal surface.

While hovering the mouse over the main fractal surface, a preview of the Julia fractal corresponding to the point under the mouse is dynamically generated. Double-click on the main view to switch it to the Julia fractal.

# Navigation 3D Mode

You can rotate and zoom the 3D view using the mouse:

Keys	Function
	Move the mouse to rotate the fractal surface around its center
	Move the mouse up and down to zoom the view in and out
	Rotate the wheel up and down to zoom the view in and out

You can also use the cursor keys and +/- keys to rotate and zoom in the 3D mode.

# Fractal Type

Use the Edit > Fractal Type function or the button in the Fractal Type property on the Parameters page to change the fractal set and formula.

The available fractal sets are: Mandelbrot and Julia (for given point).

The formula can be changed by selecting a variant and an exponent. The Integral Exponent fields allows to select exponent ranging from 2 to 6 which is calculated using fast predefined algorithms. The Real Exponent field allows entering a fractional number, but is significantly slower.

You can save current fractal type and position using the Position > Save Bookmark command and later restore it using Position > Load Bookmark.

# Color Settings

Use the Edit > Gradient function or the button in the Gradient property on the Color Settings page to edit the gradient of colors used to draw the fractal.

The three curves allow to edit the red, green and blue component of the gradient separately. You can drag the curve points using the left mouse button, add them by clicking on a free area and remove by dragging them out of the rectangle.

Use the sliders in the Color Settings page to change color scaling and offset. The Mirror option inserts a mirrored copy of the gradient and the Reversed option reverses the direction of the gradient.

You can save current gradient and color settings using the Edit > Save Preset command and later restore it using Edit > Load Preset.

# Advanced Settings

The Calculation Depth slider controls how many iterations are calculated before filling a point with the background color. The number of iterations is automatically adjusted when changing the zoom level.

The Detail Level slider controls how much details of the fractal are calculated. Parts containing few details are skipped for faster generation.

## **2D Mode**

The Anti-Aliasing option controls the post-processing level of the image which makes it look more smooth in areas containing much details.

## **3D Mode**

The Mesh Resolution option controls the resolution of the fractal rendered in 3D mode. Higher resolutions require a fast graphics card.

The Mesh Height Scale slider controls how much the mesh is stretched vertically.

The Camera Zoom controls the zoom of the camera, making the mesh appear closer or farther.

# Register, obtain a license

We invite you to test the functionality of Just Translate extensively, but the demo version has some limitations:

- This dialog appears at every start and the waiting period is extended as well.
- The number of words, that you can translate at once, is limited.
- The application will expire.

When you register Just Translate, all limitations are removed. Also you will be entitled to unlimited free upgrades of Just Translate and you can also take advantage of any new features up until the next major release.

## To register Just Translate:

- 1 Please buy Just Translate by visiting our Online-Store at <http://www.jalada.info/en/jalada/order.html>. After purchase, you get a confirmation email with your personal license data.
- 2 If you don't like to order online, then please ask your local software dealer to obtain a license. Open the menu "Help" and choose the menu item "Register..".
- 3 Enter all your license data into the registration dialog.

*Note:* You must enter all license data as you get by email. At best you copy the data from the email and paste it into the dialog.