

MadJulia 0.03a – Manual

Keyboard Shortcuts

TAB	Switch between Julia Set , Mandelbrot Set , Newton
← ↑ → ↓	Move the fractal view by 1 pixel adjusting x , y offsets
ALT + ← ↑ → ↓	Adjust c₁ and c₂ parameters (Julia set only)
HOME	Reset fractal view to center (sets x = 0 , y = 0)
+	Increase the iteration count (adds more detail)
-	Decrease the iteration count (removes detail)
Page Up	Increase the hue shift (rotates color gradient in the range 0..359)
Page Dn	Decrease the hue shift
F2	Save fractal parameters with a timestamp to a text file saved.txt and create a .png screenshot saved in screenshots folder
F3	Toggle the screen overlay on and off
SPACE	Center the fractal view on the screen based on the mouse position
ESC	Exit the program

Mouse Shortcuts

Left Mouse Button and drag	Click and hold to drag the fractal image to a desired position – hold SHIFT while dragging to snap to 8 fixed angles (multiples of 45°)
Mouse Wheel	Roll the wheel to zoom in or zoom out

Reference:

https://en.wikipedia.org/wiki/Mandelbrot_set

https://en.wikipedia.org/wiki/Julia_set

https://en.wikipedia.org/wiki/Newton_fractal