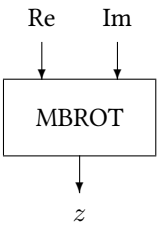


Block MBROT

The MBROT block calculates the Mandelbrot set.



Name	MBROT
Function	fb0064
Inputs	2
Outputs	1
Parameters	0
Strings	0
Group	S

Inputs

- 1
- x* coordinate, i. e., real part
- 2
- y* coordinate, i. e., imaginary part

Outputs

- 1
- Mandelbrot color

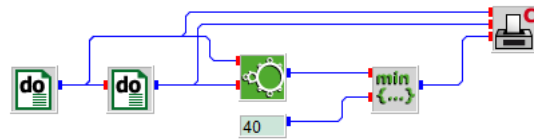
Parameters

None

Strings

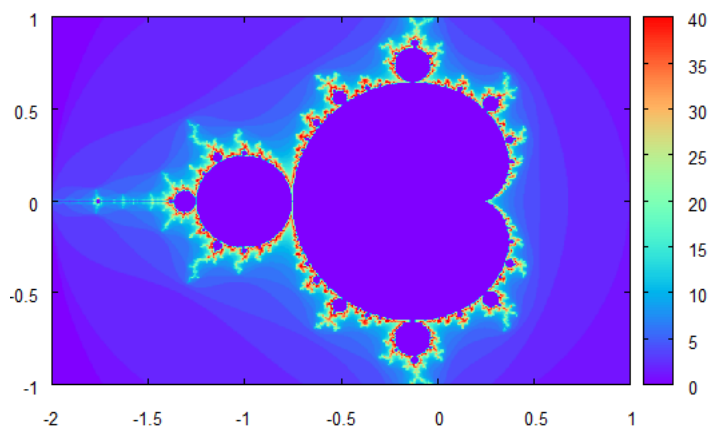
None

mbrot.vseit



An outer **DO** block varies the real part of a complex variable between -2 and $+1$ in steps of 0.005 . The inner **DO** block varies the imaginary part between -1 and $+1$ in steps of 0.005 . Both outputs are connected to an **MBROT** block whose nice carpet plot is displayed by a **PLOTc** block.

The **MIN** block restricts the color scale to 40 for representational reasons.



In Germany the Mandelbrot set is known as "Apfelmännchen".