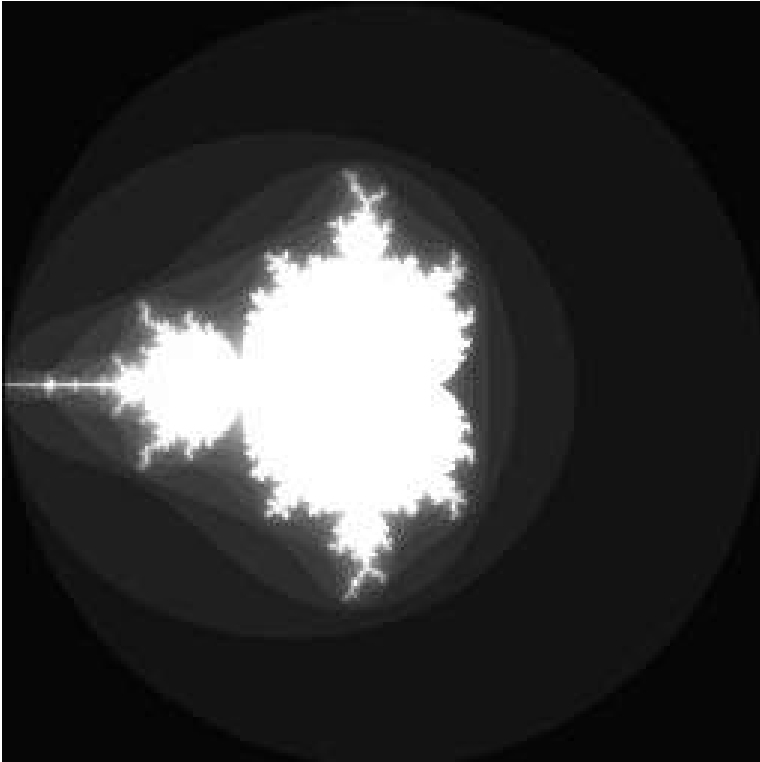


Mandelbrot



The calculation of the Mandelbrot fractal can be transformed to a cellular automaton. However, it is not an usual one since its cell states are floating-point values. Also, the neighborhood is

nil. The iterations are made collective in a state transition of the CA. This gives a nice impression of the construction, see live demo.

It is a nice demonstration of the capabilities of Pixel Shaders but slow compared to usual computation since there is no possibility to cancel the iteration prematurely and the results must be stored in a huge floating-point buffer.