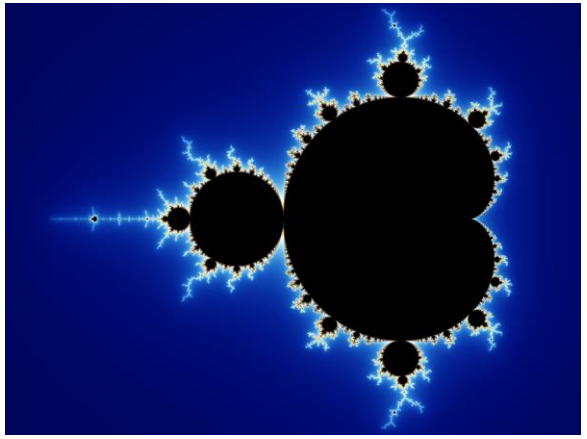
Examples

Example for regular numba:
File **numba_ex.py**
1) file computes mandelbrot set
2) functions are attributed with "@jit" mark
3) compare computational times when you comment/uncomment "@jit"



Example for cuda numba:
File **cuda_numba_ex.py**
1) file performs SAXPY;
2) first saxpy is performed on cpu using numpy arrays;
3) then necessary arrays are allocated on gpu;
4) saxpy is performed on gpu;
5) the result is transfered back to cpu;
6) analyze computational time of every stage of the program;