



fraktell

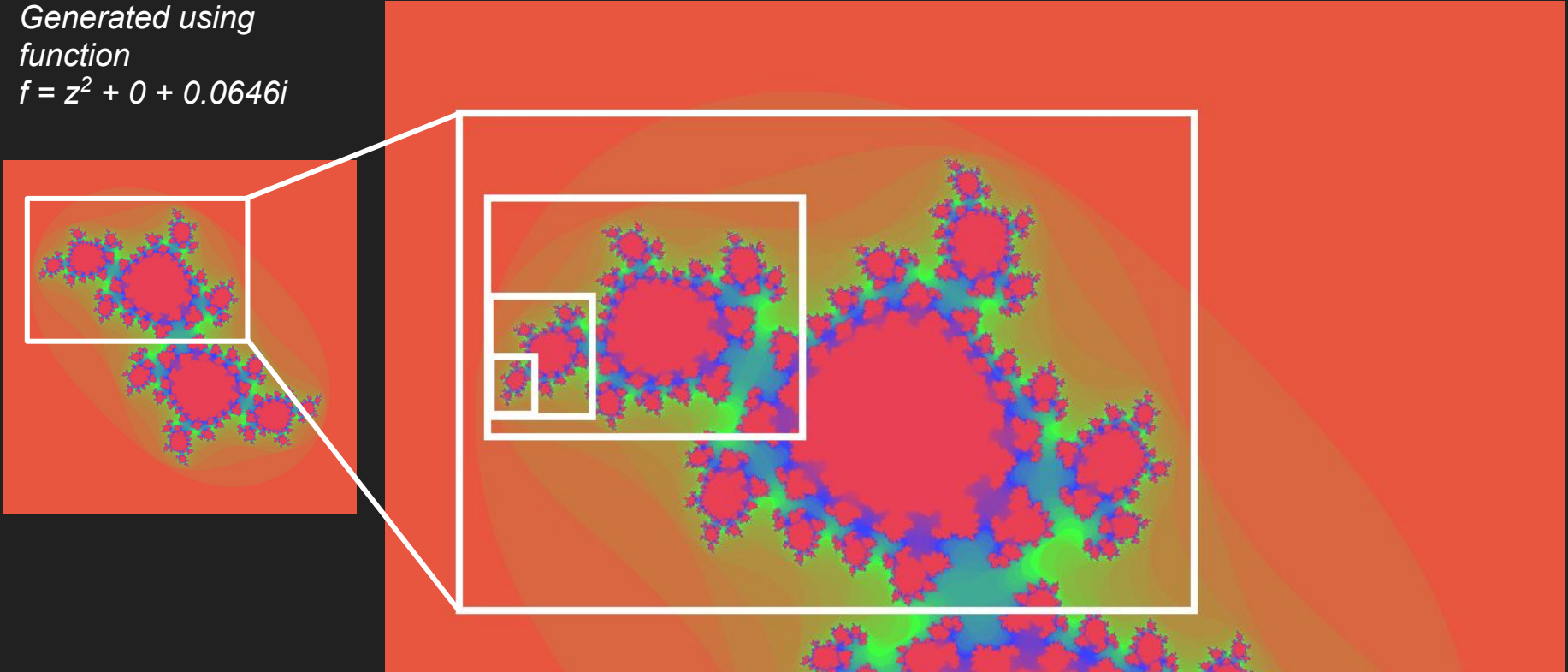
Fractal Visualization in Haskell

By Riley Weber

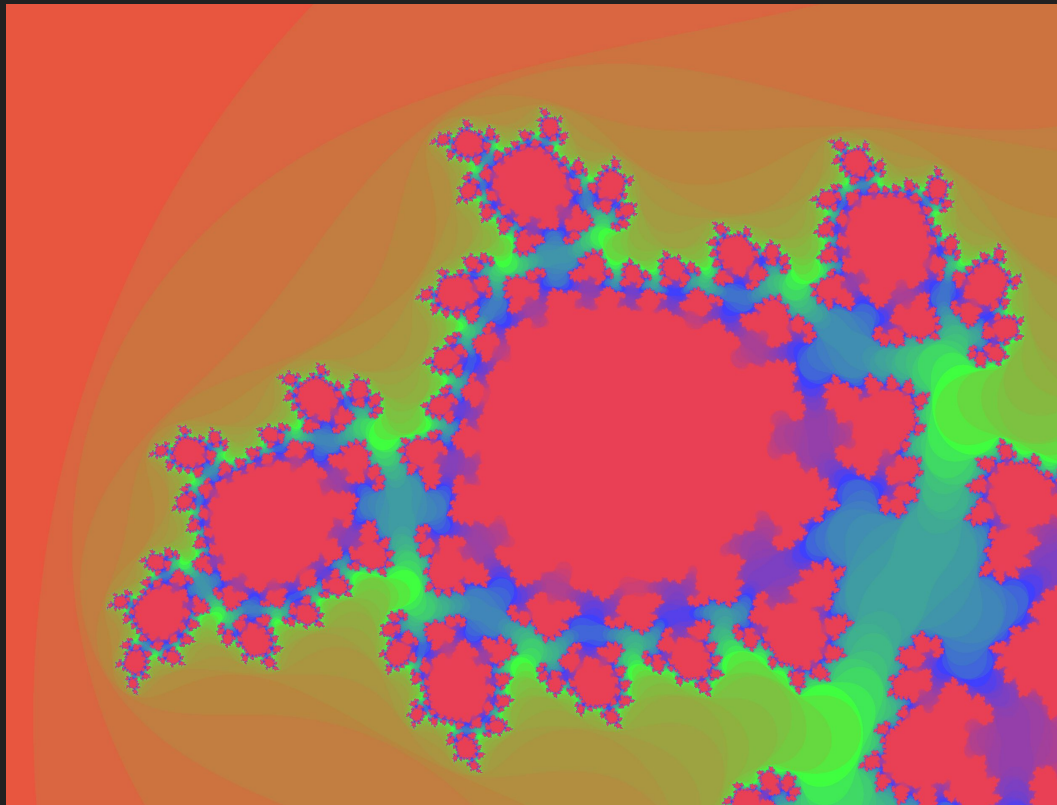
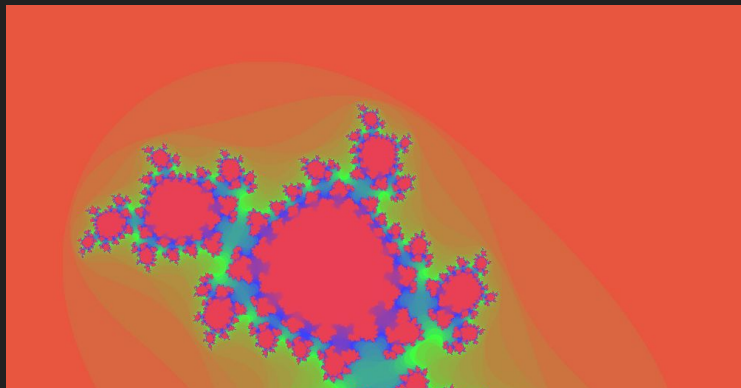
`github.com/rileyweber13/fraktell`

Self-similarity With 100mp Image

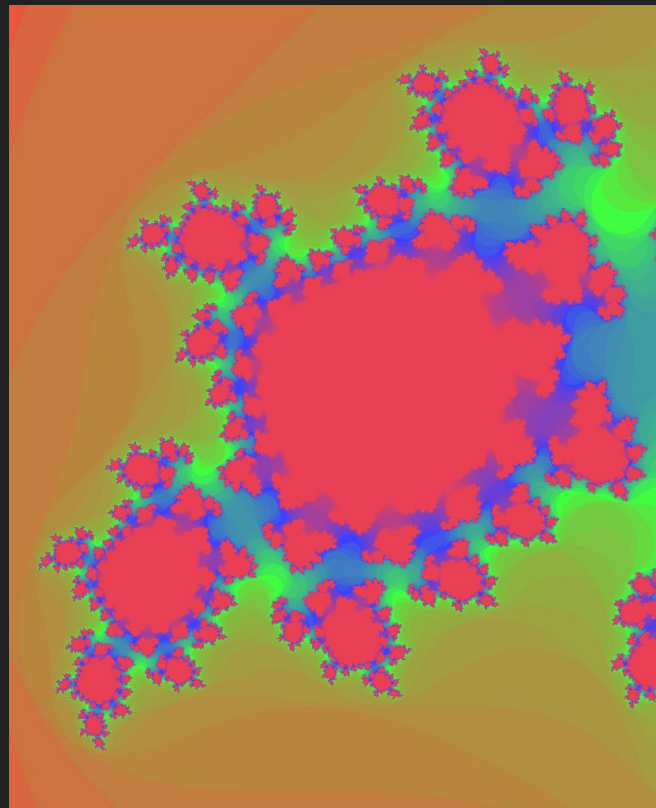
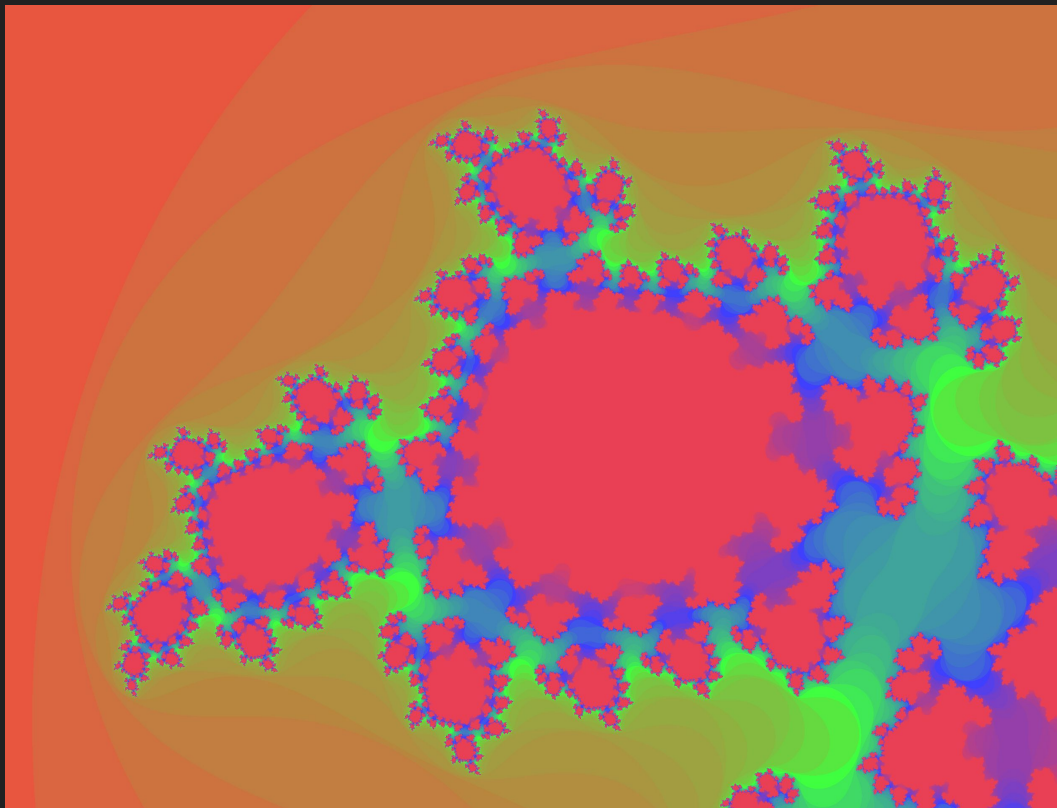
Generated using
function
 $f = z^2 + 0 + 0.0646i$



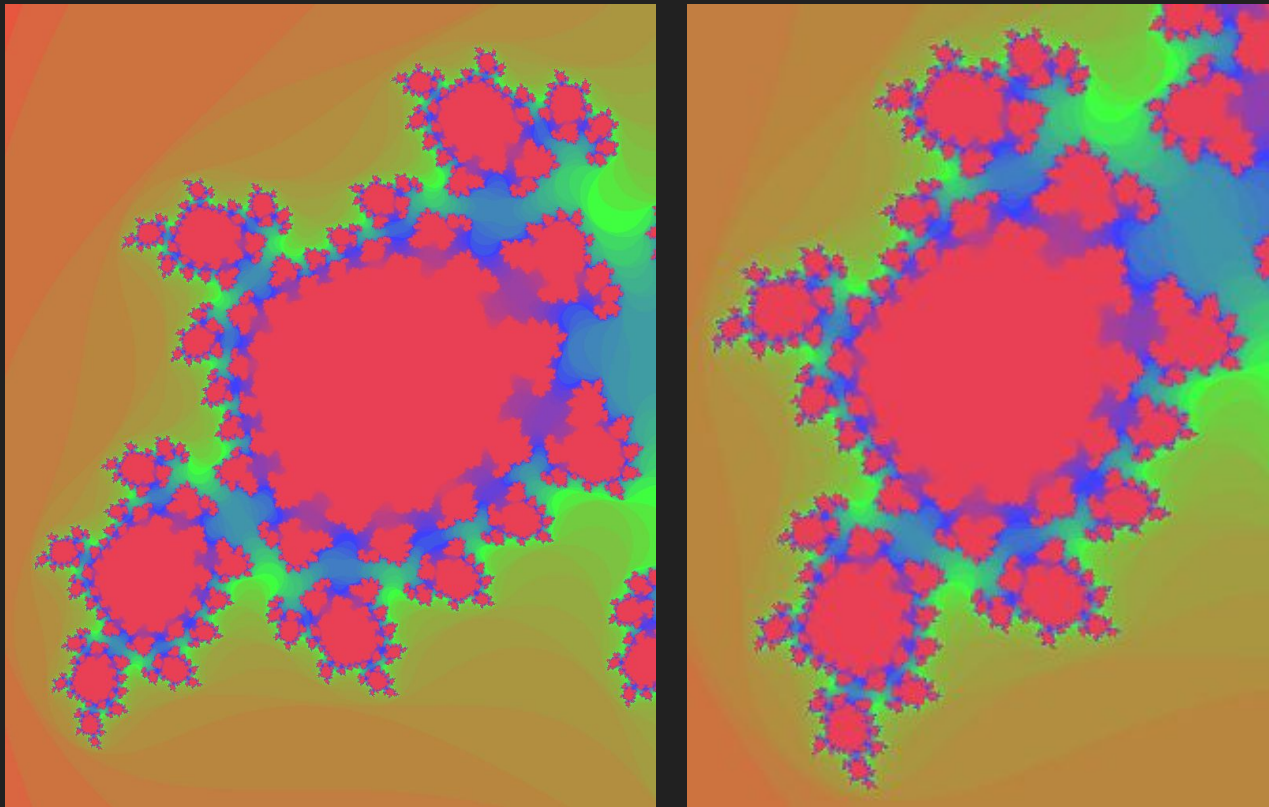
Self-similarity With 100mp Image



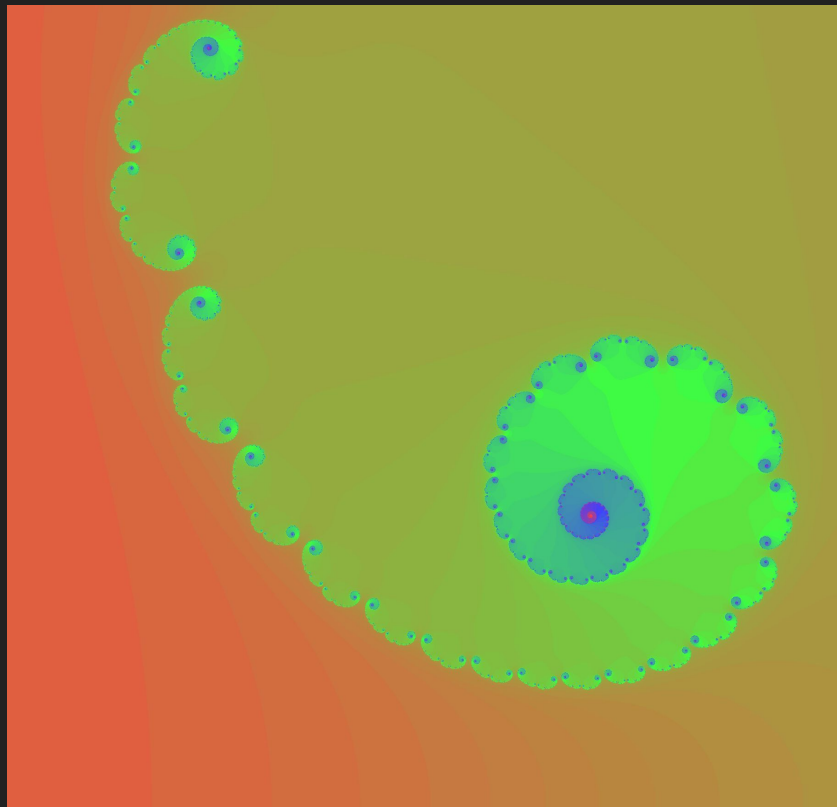
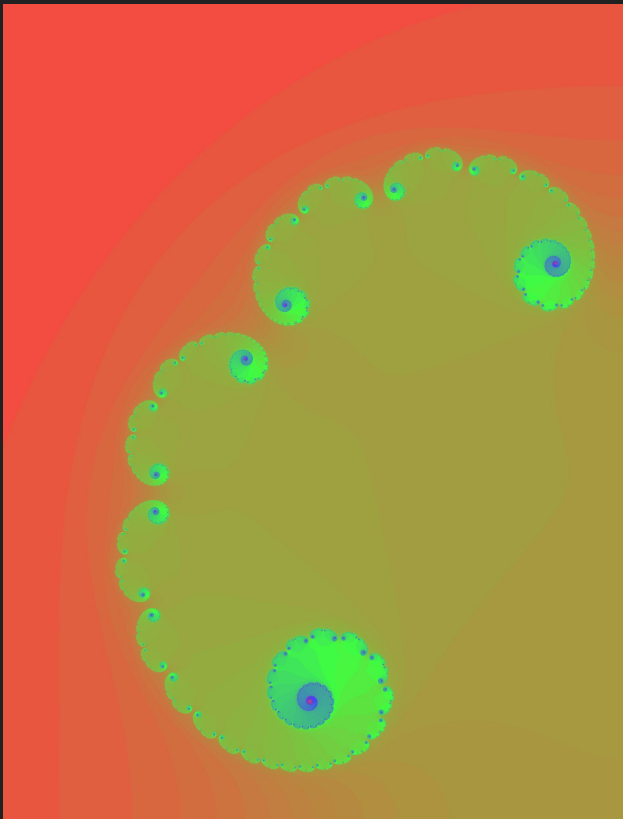
Self-similarity With 100mp Image



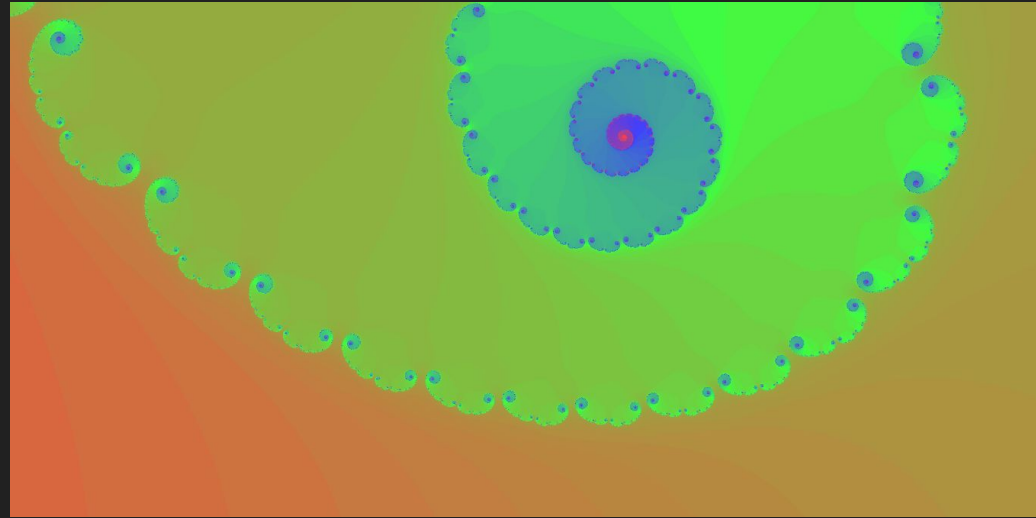
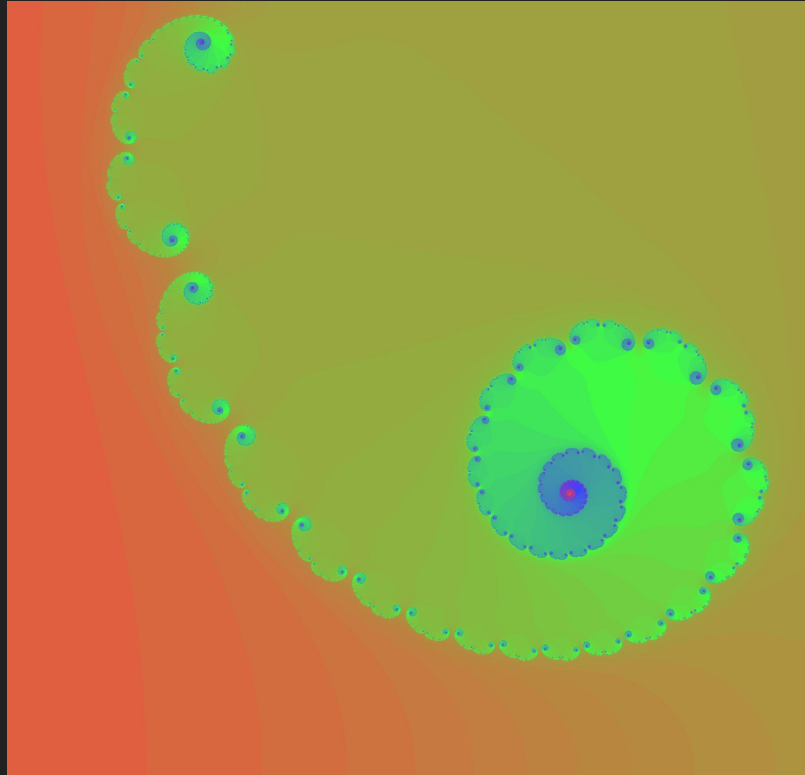
Self-similarity With 100mp Image



Self-similarity: another example



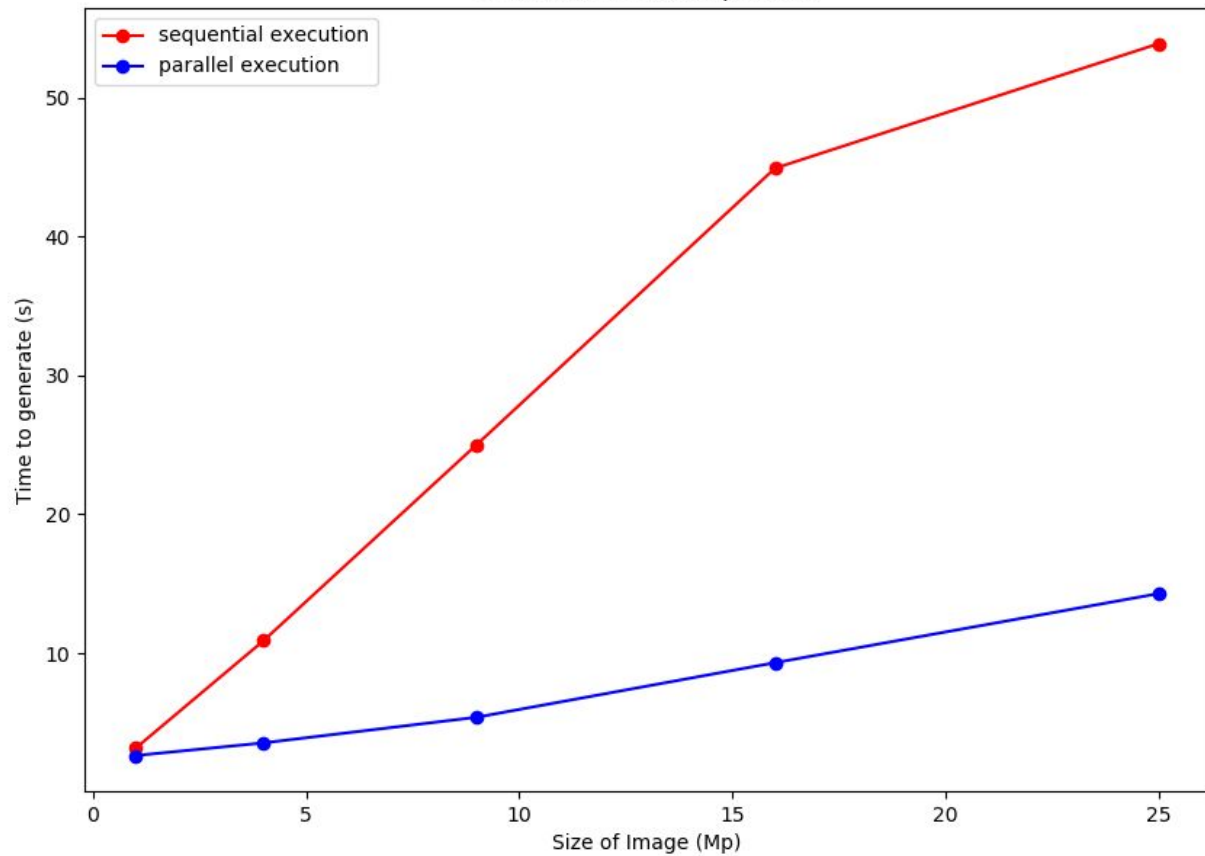
Self-similarity: another example



Speedup

Using parallel computing to optimize fractal
visualization

Execution time comparison



Thank you!