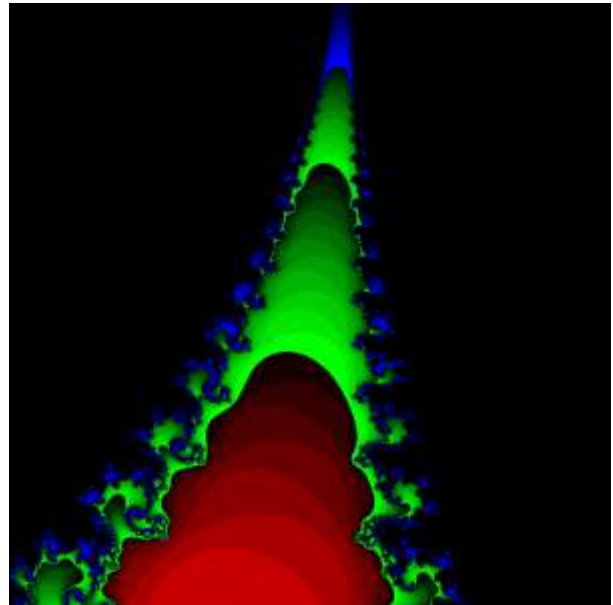
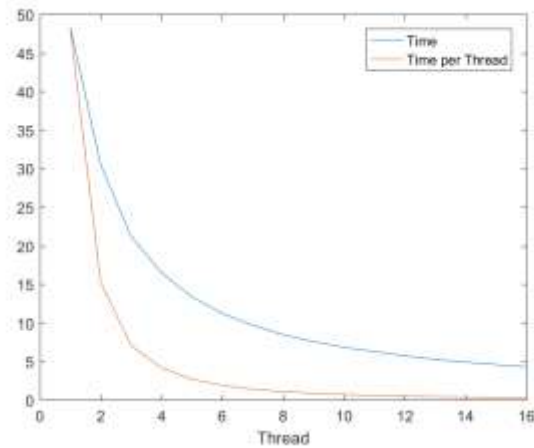


CMDA 3634

AJ Thompson

3.15.18



Above is the graph of the Total Time at each Thread in blue and the ratio of Time per Thread at each thread in red. As you can see the total time to generate the image of the Mandelbrot set on the left exponentially decreases as you add more threads to the computation. Looking at the ratio of Time per Thread shows also that each thread does far less work individually the more threads that you add.