

Assignment 4

Run Time Table

Height	Width	Frame	Elapsed Time
320	480	10	1.501184
480	640	10	2.165760
640	640	20	5.068800
768	1024	20	8.261632
1024	1024	30	16.155647
720	1280	30	13.261824
1080	2048	40	39.223297
2048	2048	50	94.417923
2160	4096	50	180.960251
4096	4096	60	401.425415

Serial program timings

```
./fractal 320 200 10  
Fractal v1.6 [serial]  
Computing 10 frames of 320 by 200 fractal  
Serial compute time: 0.3400 s
```

```
PS C:\Users\Hemish\Desktop\rutvikproject> ./fractal 640 400 32  
Fractal v1.6 [serial]  
Computing 32 frames of 640 by 400 fractal  
Serial compute time: 4.2760 s
```

```
./fractal 640 400 64  
Fractal v1.6 [serial]  
Computing 64 frames of 640 by 400 fractal  
Serial compute time: 8.3335 s
```

```
./fractal 1024 768 32  
Fractal v1.6 [serial]  
Computing 32 frames of 1024 by 768 fractal  
Serial compute time: 13.0870 s
```

```
./fractal 1024 768 64  
Fractal v1.6 [serial]  
Computing 64 frames of 1024 by 768 fractal  
Serial compute time: 25.1385 s
```