

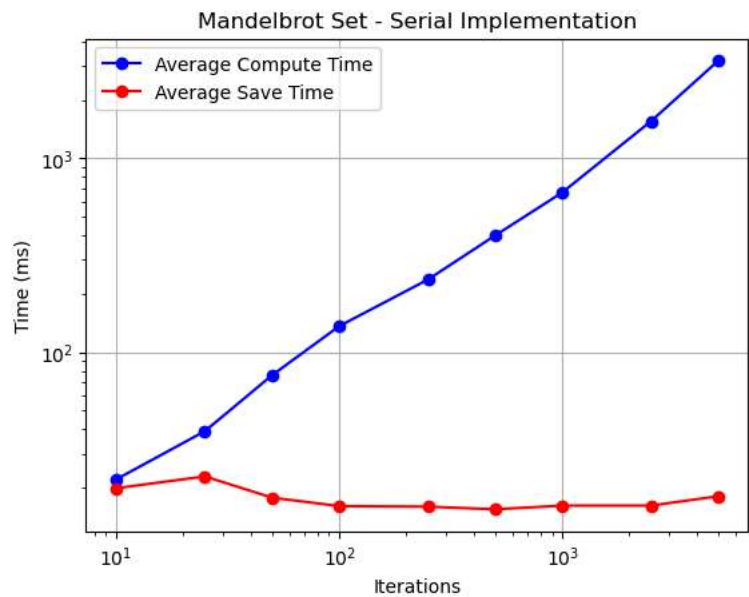
Serial Implementation

The serial algorithm was run with the following values for the number of iterations:

```
iteration_values = [10, 25, 50, 100, 250, 500, 1000, 2500, 5000]
```

Performance Metrics

Each was run for a total of 10 times. The graph uses the **average** time taken per iteration. Scale is logarithmic for both axes.



Data (12500H) - also used for the above plot:

Iterations	Compute Time (ms)	Save Time (ms)
10	22.10	24.30
25	52.70	21.20
50	86.30	18.20
100	130.10	17.10
250	236.40	16.20
500	398.70	15.60
1000	699.80	24.20
2500	1560.40	18.60
5000	3102.10	18.10

Data (5700x3D):

Iterations	Compute Time (ms)	Save Time (ms)
10	32.30	24.90

25	53.70	21.20
50	79.20	21.40
100	128.30	21.40
250	268.60	21.80
500	496.60	22.00
1000	953.50	21.90
2500	2321.90	22.30
5000	4583.10	22.90