**Project #4**

Name: Yinchao Zhu

E-mail: [zhuyin@oregonstate.edu](mailto:zhuyin@oregonstate.edu)

1. **The machine**

I run my own computer with a CPU Ryzen7 3700X

1. **The table**

**![表格

描述已自动生成]()**

1. **The graphs**

![图表, 折线图

描述已自动生成]()

![图表, 折线图

描述已自动生成]()

1. **What patterns are you seeing in the speedups?**

I think these speedup are seems to be like the same, all are range from 2.25-2.5. Not significantly changed.

1. **Are they consistent across a variety of array sizes?**

Yes, though there are slightly differences when we have different array size, but they are pretty close.

1. **Why or why not, do you think?**

I think that the speedup should be a constant as from our course slides have a similar trend. However, my data seems smaller than we seen on class like about 4.0. I guess maybe there are the 8M is a little bit small, I tried to use 100M for test and get a speedup about 3.1.