

Mark Guiang
201807118

Using OpenMP was eye-opening. The capabilities provided by parallelization are very powerful. It allows for new and better ways to optimize and run my programs. Although this requires a new way of thinking with regards to how I write my code, I think the benefits far outweigh this.

The seemingly modular approach to the whole parallelization thing also helps with converting serial code to parallelized programs. Sometimes as easy as adding one line of code!

With that being said, I've had a few difficulties using OpenMP. As mentioned earlier, it requires a new way of thinking about my code. As I'm still a beginner, I find it hard to manage and visualize the state of variables used. God forbid I have to pass values between threads. It's also still hard for me to vectorize and split data into independent chunks.

Parallelization is still pretty cool though and I plan to use this in my other courses as it can improve performance by a lot, given that I applied what was shown to me here.