Ex06_p01

Using the python script *p01.py* I calculated the eigen values for matrices of sizes 30...1000, each 20 times. As one can see from *Figure 1*, the cpu time scales exponentially. This leads me to conclude that the scaling in the big-oh notation is O(n^2).

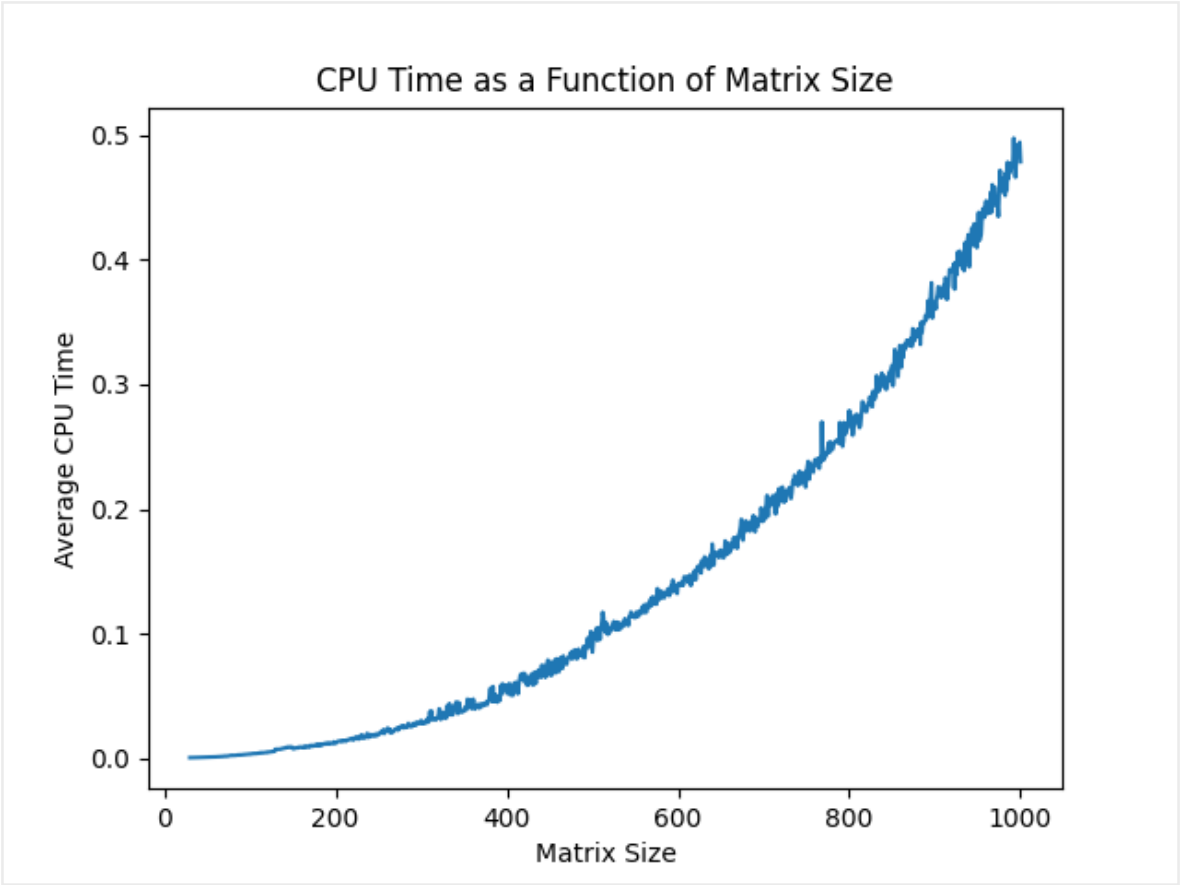

Figure 1. (Average CPU time required to compute eigen values as a function of matrix size)