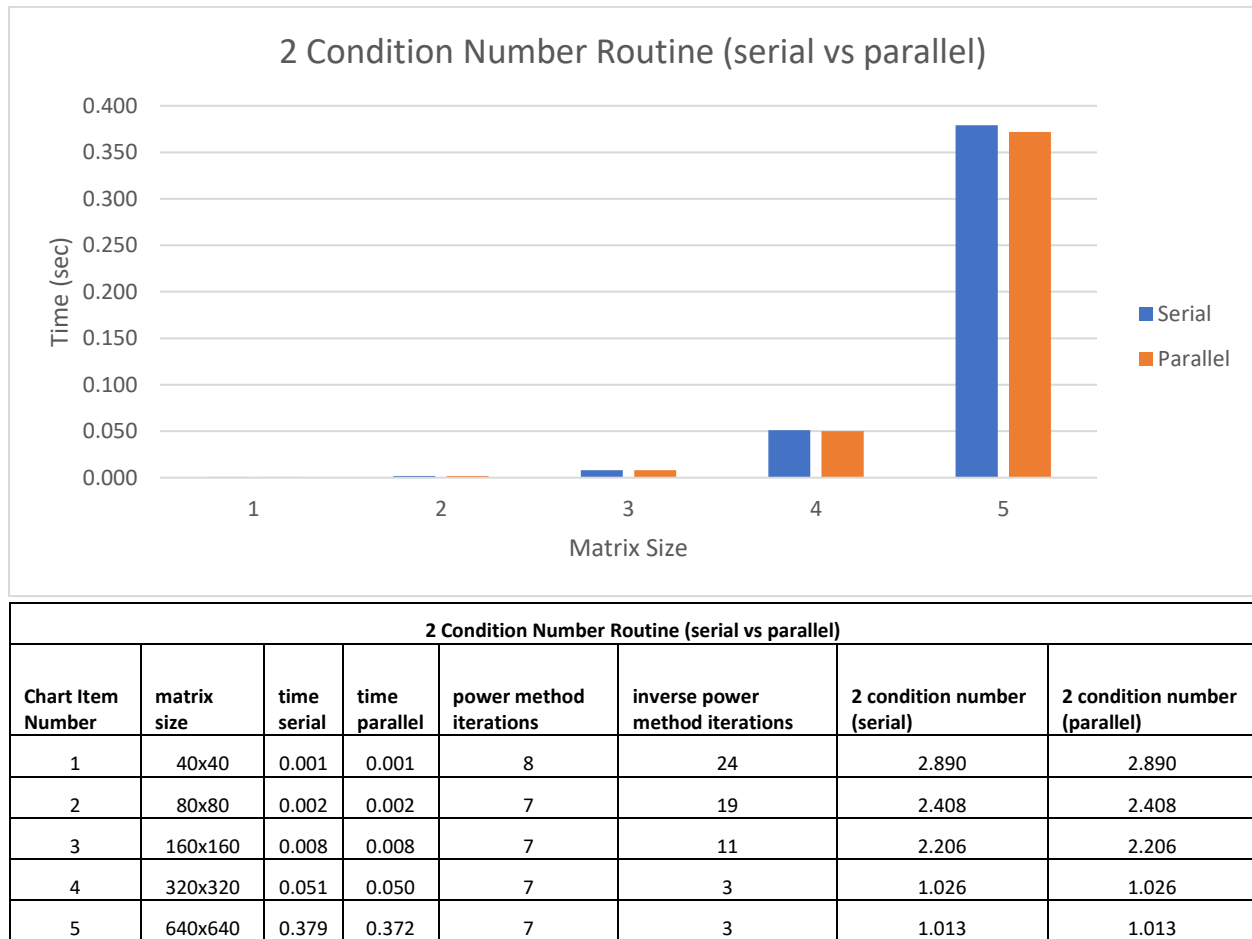


Figure 1 shows a graph and associated data table for comparing the time difference between a serial programmed version of the 2-condition number routine and a parallel programmed version of the 2-condition number routine. Along the x axis are the vales one through five that line up with the different size of matrices in the data table. For smaller matrices, the routines appear to take the same amount of time. The overall trend appears to be a slightly smaller amount of time to compute larger matrices using parallel over serial programming. The accuracy of the resulting 2-condition number appears to be the same for serial vs parallel.



**Figure 1: Comparison for 2 Condition Number Routine programmed in serial vs parallel.**