

## Average runtimes and speedup

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Runtimes here displayed are the average runtimes of 25 iterations of the program for each amount of processors. The speedup in each case is determined by dividing the sequential run time by the parallel run time for each given amount of processors.

Since the parallel program can only be run using two or more processors, a sequential version of the program was run, and the runtime was measured by the 'time' command. These runtimes are for solving a system of 8 linear equations; we expect more greater speedups for larger problem sizes.

NumProcs	1	2	3	4	5	6	7	8
RunTime (s)	0.002	0.004118	0.003455	0.003274	0.003115	0.003060	0.003213	0.003607
Speedup	—	0.486	0.579	0.611	0.642	0.654	0.622	0.554