

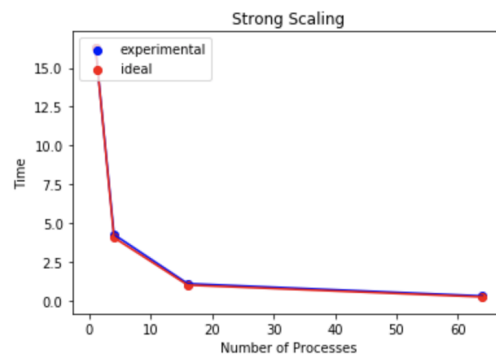
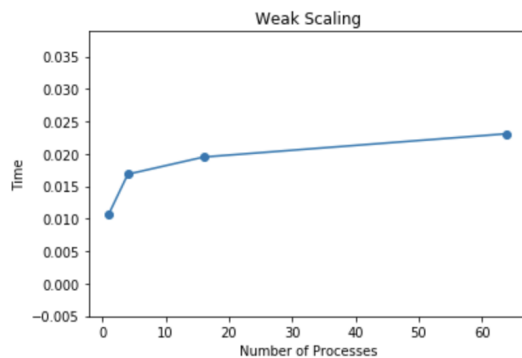
1.MPI-parallel two-dimensional Jacobi smoother.

Weak Scaling Report

Number of Processes	N	Nl	Time	Max-Iter
1	100	100	0.010740	100
4	200	100	0.016849	100
16	400	100	0.019503	100
64	800	100	0.023092	100
1	100	1000	0.115488	100
4	2000	1000	0.188308	100
16	4000	1000	0.190136	100
64	8000	1000	0.235614	100

Strong Scaling Report

Number of Processes	N	Nl	Time	Max-Iter
1	4000	4000	16.287641	100
4	4000	2000	4.272005	100
16	4000	1000	1.111816	100
64	4000	500	0.317153	100



2.Parallel sample sort

Number of Processes	N	Time
64	10000	0.083776
64	100000	0.103914
64	1000000	0.528976