Outline of the report

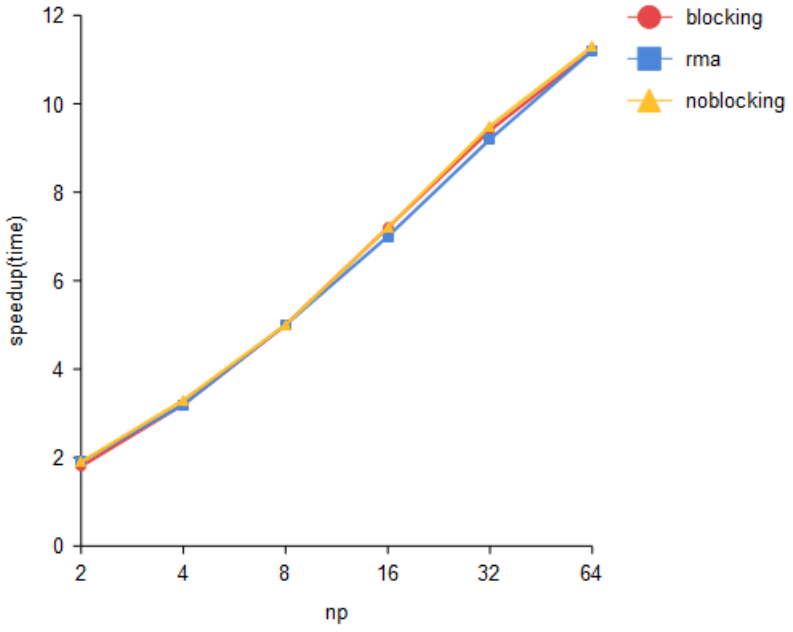
Serial

grid size	1600*400	1200*300
time(s)	4250.633	1773.141

MPI

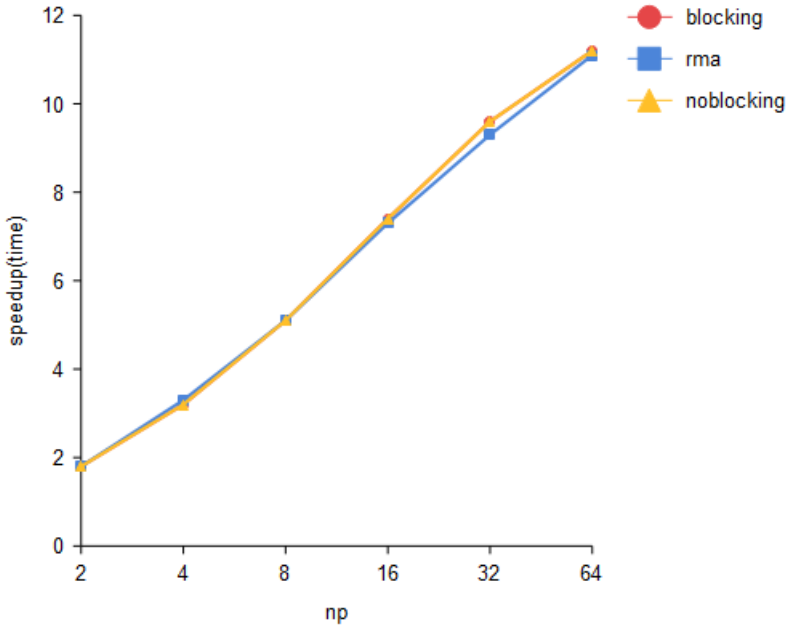
	np \ time(s)	blocking	rma	noblocking
grid size = 1600*400	2	2350.1	2287.194	2287.077
	4	1310.905	1321.401	1296.423
	8	843.483	846.664	843.649
	16	586.354	603.762	588.463
	32	451.438	462.334	448.229
	64	379.448	380.123	376.866

	np \ speedup(time)	blocking	rma	noblocking
grid size = 1600*400	2	1.8	1.9	1.9
	4	3.2	3.2	3.3
	8	5.0	5.0	5.0
	16	7.2	7.0	7.2
	32	9.4	9.2	9.5
	64	11.2	11.2	11.3



	np \ time(s)	blocking	rma	noblocking
grid size = 1200*300	2	991.542	962.931	987.986
	4	547.756	539.612	549.437
	8	344.838	346.727	345.201
	16	240.081	242.341	239.315
	32	185.228	190.71	185.438
	64	158.259	160.123	158.843

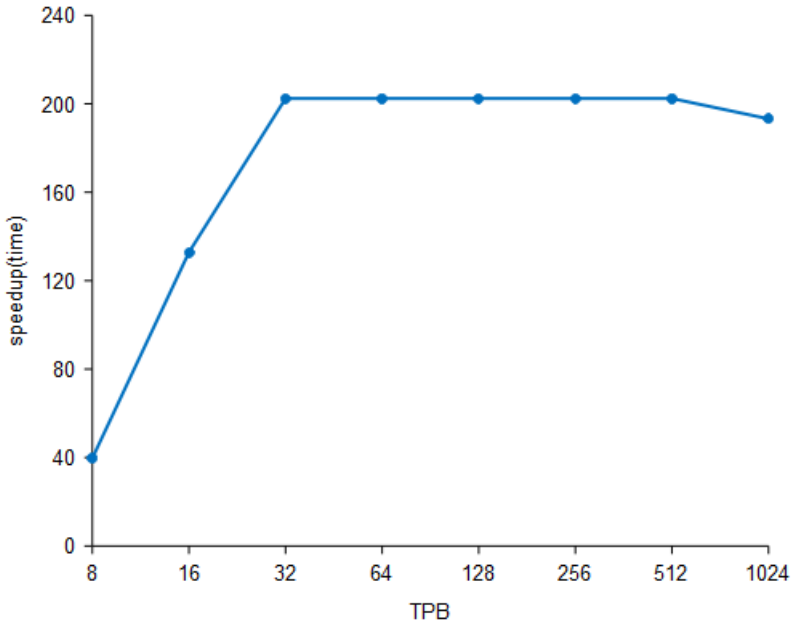
	np \ speedup(time)	blocking	rma	noblocking
grid size = 1200*300	2	1.8	1.8	1.8
	4	3.2	3.3	3.2
	8	5.1	5.1	5.1
	16	7.4	7.3	7.4
	32	9.6	9.3	9.6
	64	11.2	11.1	11.2



CUDA

grid size = 1600*400	TPB	4	8	16	32	64	128	256	512	1024
	time(s)	107	107	32	21	21	21	21	21	22

grid size = 1600*400	TPB	4	8	16	32	64	128	256	512	1024
	speedup(time)	39.7	39.7	132.8	202.4	202.4	202.4	202.4	202.4	193.2



grid size = 1200*300	TPB	4	8	16	32	64	128	256	512	1024
	time(s)	45	45	45	10	9	9	9	10	10

grid size = 1200*300	TPB	4	8	16	32	64	128	256	512	1024
	speedup(time)	39.4	39.4	39.4	177.3	197	197	197	177.3	177.3