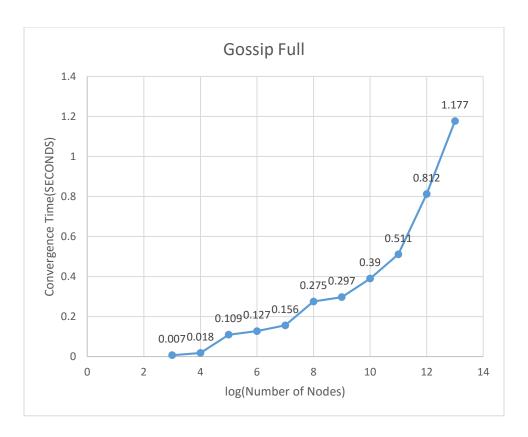
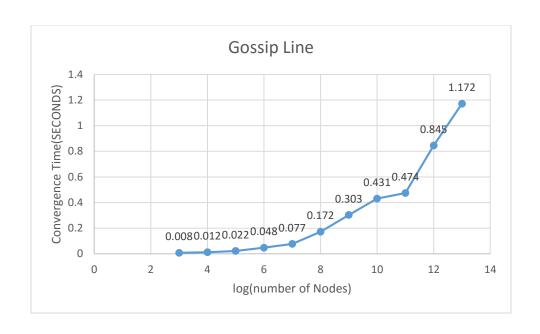
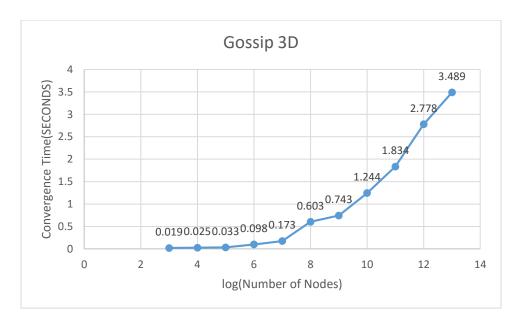
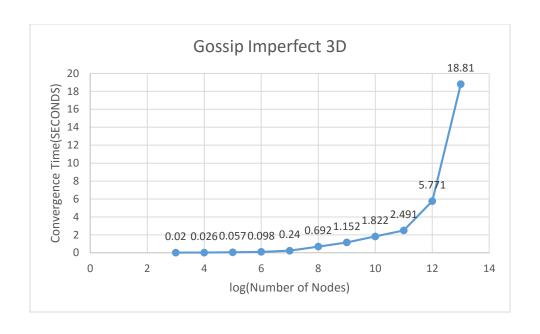
## **Gossip Implementation**

					Convergence
		Convergence	Convergence	Convergence	Time
		Time	Time	Time	Imperfect
No: of Nodes	log n	Full(seconds)	Line(seconds)	3D(seconds)	3D(seconds)
8	3	0.007	0.008	0.019	0.02
16	4	0.018	0.012	0.025	0.026
32	5	0.109	0.022	0.033	0.057
64	6	0.127	0.048	0.098	0.098
128	7	0.156	0.077	0.173	0.24
256	8	0.275	0.172	0.603	0.692
512	9	0.297	0.303	0.743	1.152
1024	10	0.39	0.431	1.244	1.822
2048	11	0.511	0.474	1.834	2.491
4096	12	0.812	0.845	2.778	5.771
8192	13	1.177	1.172	3.489	18.81









## **Push-Sum Implementation**

				Convergence
	Convergence	Convergence	Convergence	Time
log(Number	Time	Time	Time	Imperfect
of Nodes)	Full(seconds)	Line(seconds)	3D(seconds)	3D(seconds)
3	0.024	0.065	0.102	0.099
4	0.044	0.297	0.271	0.205
5	0.072	0.998	0.298	0.038
6	0.101	1.727	0.856	0.521
7	0.243	2.413	1.375	0.837
8	0.252	4.157	0.217	1.312
9	0.048	14.881	4.616	2.356
10	0.661	84.001	1.499	3.408
11	0.687	43.613	35.671	6.867
12	0.121	106.992	119.892	18.675
13	1.603	184.102	380.697	5.482
	of Nodes) 3 4 5 6 7 8 9 10 11	log(Number of Nodes)         Time Full(seconds)           3         0.024           4         0.044           5         0.072           6         0.101           7         0.243           8         0.252           9         0.048           10         0.661           11         0.687           12         0.121	log(Number of Nodes)         Time Full(seconds)         Time Line(seconds)           3         0.024         0.065           4         0.044         0.297           5         0.072         0.998           6         0.101         1.727           7         0.243         2.413           8         0.252         4.157           9         0.048         14.881           10         0.661         84.001           11         0.687         43.613           12         0.121         106.992	log(Number of Nodes)         Time Full(seconds)         Time Line(seconds)         Time 3D(seconds)           3         0.024         0.065         0.102           4         0.044         0.297         0.271           5         0.072         0.998         0.298           6         0.101         1.727         0.856           7         0.243         2.413         1.375           8         0.252         4.157         0.217           9         0.048         14.881         4.616           10         0.661         84.001         1.499           11         0.687         43.613         35.671           12         0.121         106.992         119.892

NOTE: THE Y AXIS is Convergence Time(SECONDS)

X Axis is the log(Number of Nodes)

