Centralized Queues Approach -Table1. Times (ms) vs Number of Nodes/Edges

Nodes	1	4	Processors 8	16	32	edges
100000	1043	250	252	178	260	5000000
1Million	9280	4070	1414	2255	1882	50000000
2Million	22410	5702	3428	3409	3894	100000000
4 Million	65855	17068	8641	8140	11931	200000000
5 Million	105639	27162	13423.7	10468	14040	250000000

Work Stealing Approach - Table2 . Times(ms) vs Number of Nodes/Edges

Nodes	1	4	8	16	32	edges
100000	1043	250	147	93	104	5000000
1Million	9280	3007	1468	782	1165	50000000
2Million	22410	5799	3541	1771	3524	100000000
4 Million	65855	17685	9729	4731	6716	200000000
5 Million	105639	23783	11948.7	7713	9337	250000000

Table: Compiler Optimized vs Not Optimized Time(ms) comparisons

Version	1	4	8	16	32	edges
Compiler Optimized	16263.6	4847.9	3106.7	2664.42	4867.56	250000000
Not Optimized	105639	23783	11948.7	7713	9337	250000000

Scalability Graph - For Number of Nodes - 5M ETPS (Edges Traversed per second) vs P

P	Work Steal Approach	Centralized Approach
1	2366.5502418614	1893.2401953824
4	10511.710087037	7363.2280759885
8	20922.778293873	14899.0219537087
16	32412.8096719824	19105.8464845243
32	26775.1955660276	14245.0143162393
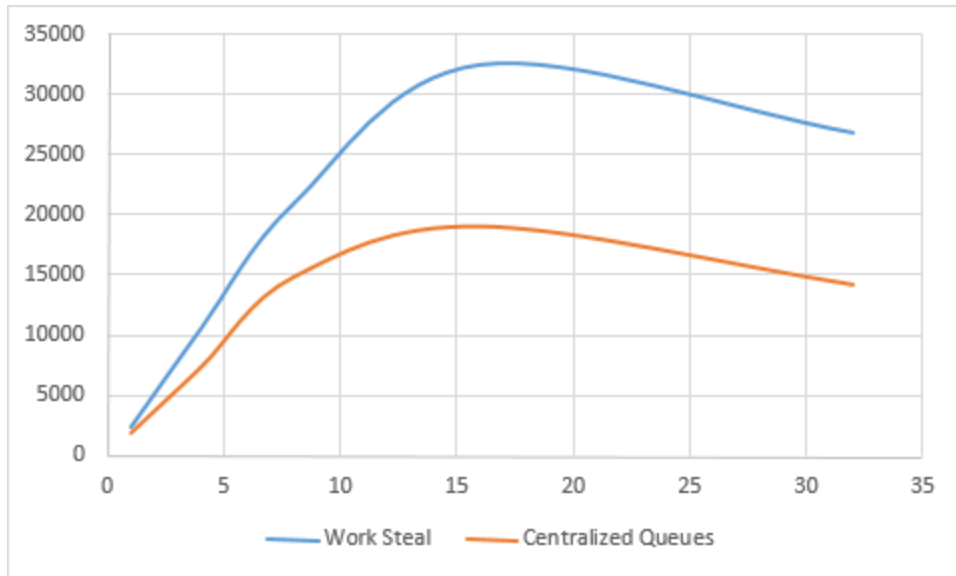
Scalability comparison for Compiler optimized and Unoptimized Versions (ETPS vs Processors)

P	Unoptimized	Compiler Optimized
1	2366.5502418614	15372
4	10511.710087037	51568
8	20922.778293873	80471
16	32412.8096719824	93829
32	26775.1955660276	51366