A Scalable DCEL implementation

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Evaluation Plan...

Performance by workload at partition level			
Parameters	**Alternatives**		**Performance Measure**
	Single SDCEL contruction	Merged SDCEL construction	
Number of edges per partition			Runtime
range: 4K, 8K, 12K, 16K, 20K, 24K			

Performance by workload at general level			
Parameters	**Alternatives**		**Performance Measure**
	Single SDCEL contruction	Merged SDCEL construction	
Data sample (number of edges)			Runtime
range: 4M, 8M, 12M, 16M, 20M, 24M			

Performance by local partitioning variant			
Parameters	**Alternatives**		**Performance Measure**
	Single SDCEL contruction	Merged SDCEL construction	
Partitioning variant:			Runtime
values: None, Quadtree, RTree			

Fixing balancing issues...
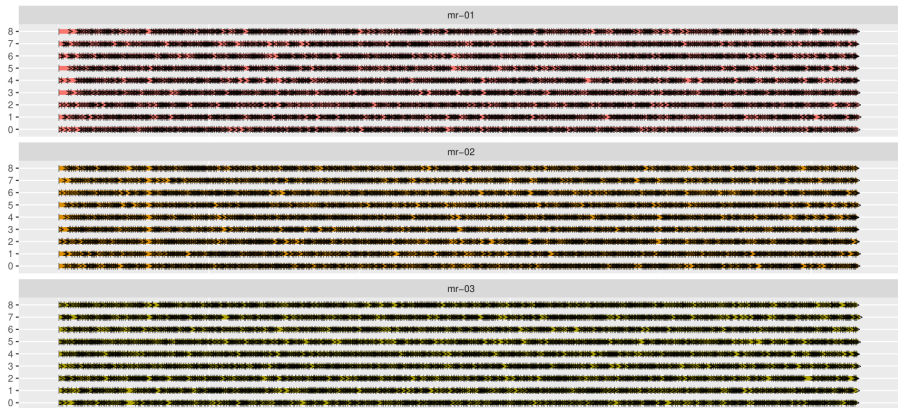
Collecting partition stats...

	avg_edges	max_edges	max_entries	partitions
1	2K	7390	650	33754
2	3K	10146	950	23182
3	4K	13136	1250	17662
4	5K	16390	1550	14131
5	6K	19184	1850	11836
6	7K	23014	2150	10099
7	8K	25836	2500	8713
8	9K	28771	2800	7873
9	10K	32534	3150	7006
10	11K	36072	3450	6391
11	12K	38526	3800	5830
12	13K	41746	4100	5359
13	14K	44856	4350	5038
14	15K	47880	4650	4681

Running experiments...

	avg_edges	max_edges	mean_duration	max_duration
1	2K	7390	0.10	5.00
2	3K	10146	0.20	6.60
3	4K	13136	0.38	10.40
4	5K	16390	0.48	12.40
5	6K	19184	0.62	16.00
6	7K	23014	0.80	24.20
7	8K	25836	0.98	25.60
8	9K	28771	1.00	38.00
9	10K	32534	1.00	40.80
10	11K	36072	2.00	51.00
11	12K	38526	2.00	55.80
12	13K	41746	2.00	75.20
13	14K	44856	2.00	69.60
14	15K	47880	2.60	83.80

Running experiments...

Execution time per partition