

Implementation of ICM and LTM on Real Life Networks

1.

Facebook NIPS

Number of vertices: 2911

Number of edges: 2981

ICM

Parameters	# iterations	% of nodes infected	# seeds
Maximum Degree	1611	55.341	291
Degree Centrality	1606	55.17	291
Closeness Centrality	1277	43.86	291
Eigen Vector Centr.	946	32.49	291

LTM

Parameters	# iterations	% of nodes infected	# seeds
Maximum Degree			
Degree Centrality			
Closeness Centrality			
Eigen Vector Centr.			

2.

Advogato(Directed Graph)

Number of vertices : 6539

Number of edges: 51127

ICM

Parameters	# iterations	% of nodes infected	# seeds
Degree Centrality	3875	59.26	653
Closeness Centrality	3845	58.8	653
Eigen Vector Centr.	3863	59.08	653

LTM

Parameters	# iterations	% of nodes infected	# seeds
Degree Centrality	3541	54.15	653
Closeness Centrality	3592	54.93	653
Eigen Vector Centr.	3588	54.87	653

3.

3.Epinions

Number of vertices:75879

Number of Edges:405740

ICM

Parameters	# iterations	% of nodes infected	# seeds
Degree Centrality	50422	66.45	7587
Closeness Centrality			
Eigen Vector Centr.	50514	66.57	7587

LTM

Parameters	# iterations	% of nodes infected	# seeds
Degree Centrality	40449	53.30	7587
Closeness Centrality			
Eigen Vector Centr.	40226	53.01	7587

4. Slashdot0902

#vertices: 82168

#edges:948464

ICM

Parameters	# iterations	% of nodes infected	# seeds
Degree Centrality	60122	73.169	8216
Closeness Centrality			8216
Eigen Vector Centr.	59757	72.73	8216

LTM

Parameters	# iterations	% of nodes infected	# seeds
Degree Centrality	50185	61.08	8216
Closeness Centrality			8216
Eigen Vector Centr.	50079	60.94	8216

5. Wiki-Vote

Number of vertices: 7115

Number of edges: 1036890

ICM

Parameters	# iterations	% of nodes infected	# seeds
Degree Centrality	2538	35.67	711
Closeness Centrality	2229	31.32	711
Eigen Vector Centr.	2238	31.45	711

Parameters	# iterations	% of nodes infected	# seeds
Degree Centrality	2512	35.30	711
Closeness Centrality	2168	30.47	711

Eigen Vector Centr.	2169	30.48	711
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Parameters	# iterations	% of nodes infected	# seeds
Degree Centrality			
Closeness Centrality			
Eigen Vector Centr.			

Parameters	# iterations	% of nodes infected	# seeds
Degree Centrality			
Closeness Centrality			
Eigen Vector Centr.			

Parameters	# iterations	% of nodes infected	# seeds
Degree Centrality			
Closeness Centrality			
Eigen Vector Centr.			

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Degree Centrality			
Closeness Centrality			
Eigen Vector Centr.			