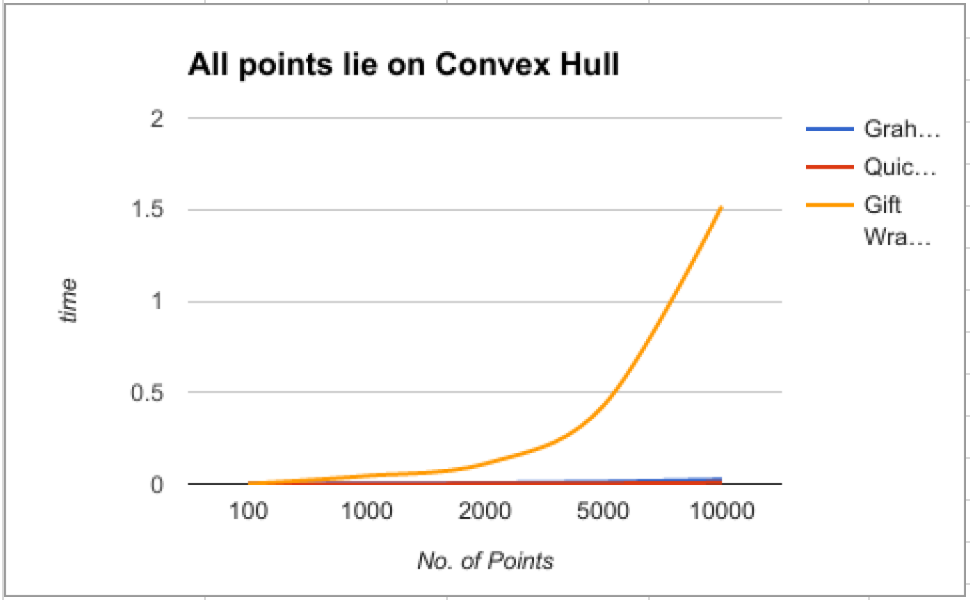
Convex Hull, Comparison

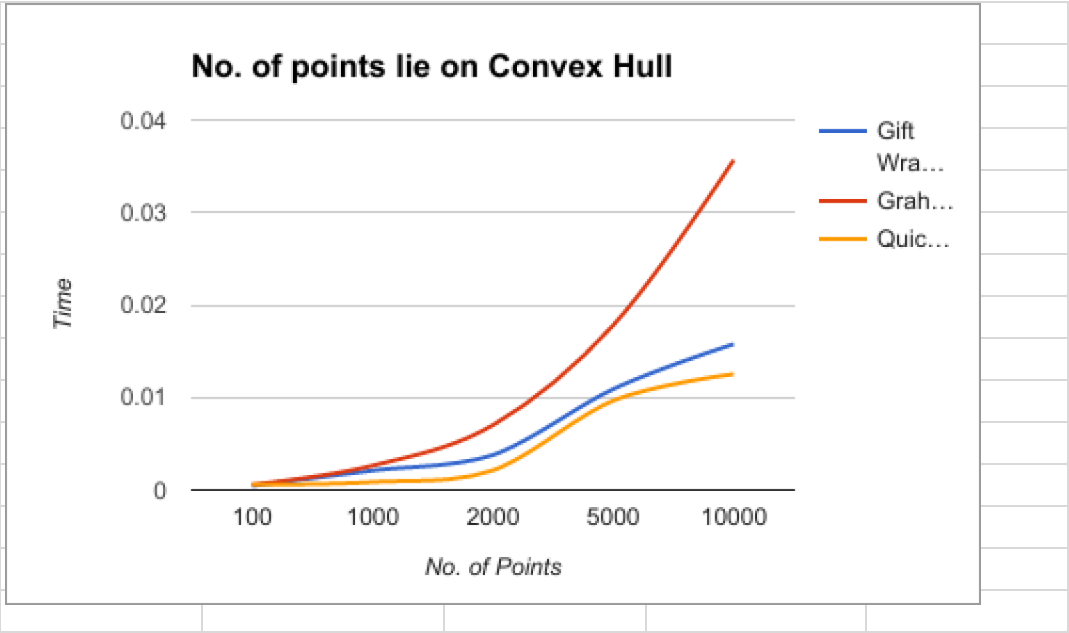
Case 1: All points lie on the convex hull

Input size(n)	Graham Scan	Quickhull	Gift Wrapping
100	0.000325	0.00048	0.000744
1000	0.002013	0.000451	0.043959
2000	0.004992	0.001803	0.109921
5000	0.011769	0.003491	0.426722
10000	0.024212	0.007352	1.517892



Case 2:No. of points lying on the convex hull ≠ n.

Input size(n)	Gift Wrapping	Graham Scan	Quickhull
100	0.000441	0.000571	0.000571
1000	0.002105	0.002632	0.000857
2000	0.003782	0.007014	0.002125
5000	0.010919	0.017824	0.009671
10000	0.015782	0.035678	0.012532


No. of points lie on Convex Hull
0.04
0.03
0.02
0.01
0
Time
100
1000
2000
5000
10000
No. of Points
Gift Wra…
Grah…
Quic…