

Delaunay Triangulation

Proximity Graph

- Lower Bounds

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❖ Claim:

it requires $\Omega(n\log n)$ time to construct either GG(S) or RNG(S) in the worst cases



- ❖ This can be proved by a reduction from SORTING
- ❖ Actually, SORTING can be reduced to both 1D-GG and 1D-RNG