

05-C-03 Delaunay Triangulation

Properties

- Nearest Neighbor

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Nearest Neighbor Graph

- ❖ Site q is the nearest neighbor of site p only if
 - the circle taking pq as its diameter is empty and hence
 - pq is an edge of $DT(S)$
- ❖ Conversely,
 - is every circle
 - taking an edge as its diameter
 - empty?
- ❖ It's implied that
 - $NNG(S)$ is a subgraph of $DT(S)$

