Delaunay Triangulation

Euclidean Traveling Salesman Problem

- NP-Hardness

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- ❖ [Garey-Graham-Johnson, 1976] ETSP is NP-hard
- ❖ That's why we turn to
 heuristic or approximate strategies
- ❖[Christofides, 1976]
 An approximate TSP tour
 whose length is within 3/2 of optimal
 can be obtained in O(n³) time

the inter-point distances

obey the triangle inequality

if

❖ Next, Let's explain an earlier and simpler result ...

