

Delaunay Triangulation

Euclidean Traveling Salesman Problem

- Definition

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❖ **ETSP**:

find the shortest closed path/tour

thru n given points **in the plane**

❖ Note that **ETSP** differs from **TSP** in that

the inter-point distances are **not arbitrary**,

but are inherited from the **Euclidean metric**

❖ Can we hope that

these properties could be used to produce

a **polynomial-time** algorithm in the plane?

