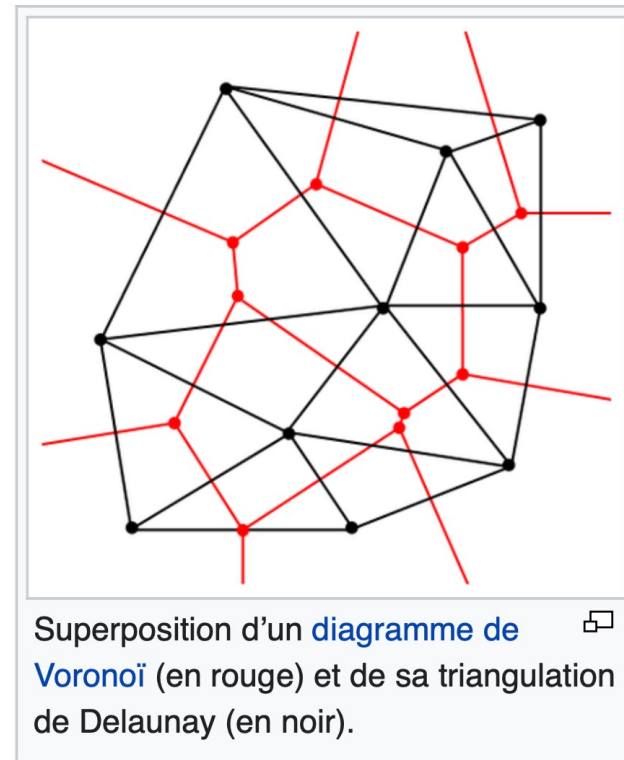
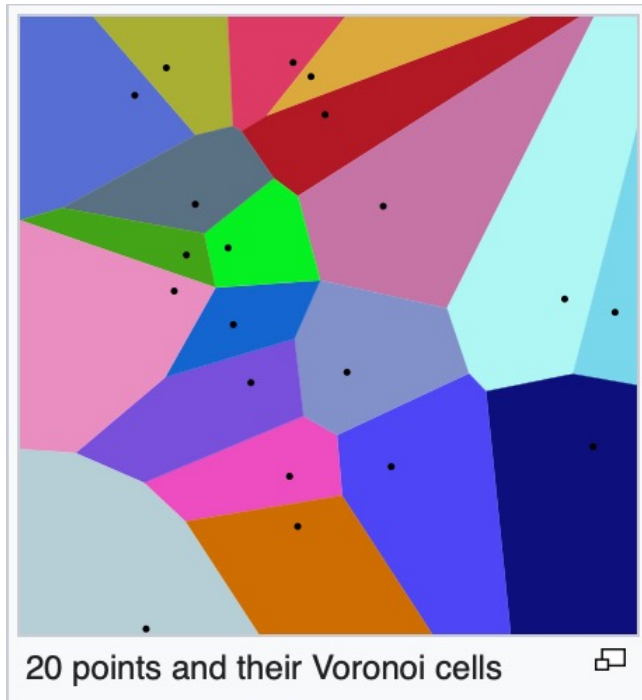


Un diagramme de Voronoï



Source : Wikipédia

Medial axis / skeleton approximation from points sampled on shapes

- Input shape represented by a set of points sampled over its boundary
- *Voronoi diagram* of sampled points

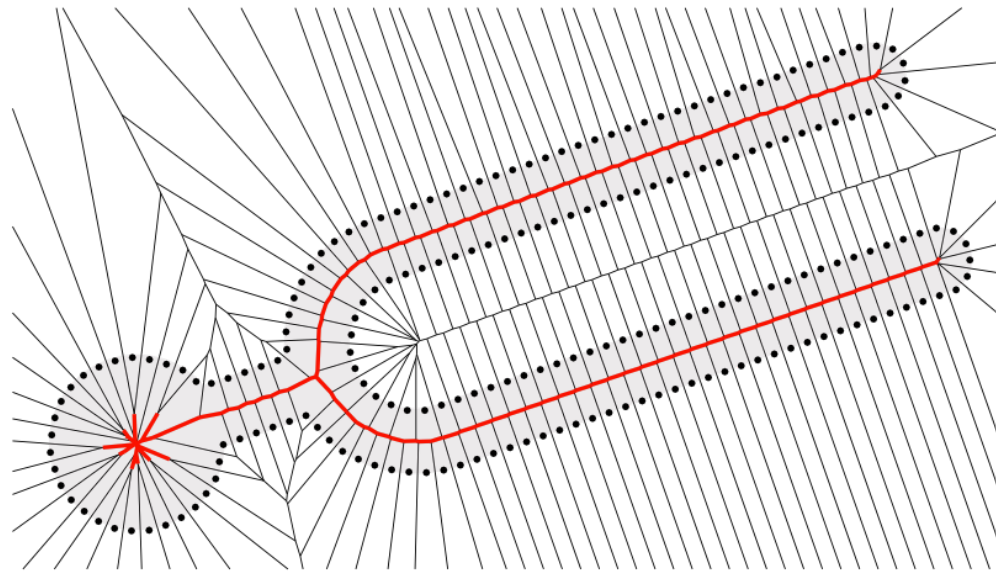


Image de [Taggliasacchi et al.]

Medial axis / skeleton approximation from points sampled on shapes

- **Medial axis is included in the limit Voronoï graph, as density of the sampling increases (Amenta et al 98)**
- Voronoï graph : boundaries of the Voronoi cells
 - Voronoï vertices : on the boundaries of at least 3 regions in 2D
 - Voronoï edges : on the boundaries of 2 regions in 2D
 - Voronoi polygons : on the boundaries of 2 regions in 3D
- **Medial axis approximated by inner parts of Voronoï graph**

Images de [Taggiasacchi et al.]

