

# Voronoi Diagram

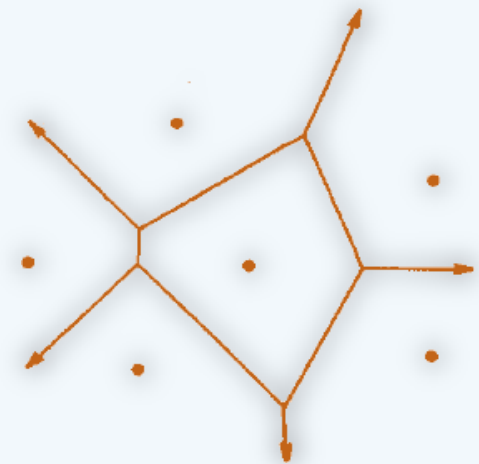
Plane Sweep

- Fortune's Trick

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- 1) Apply a certain transform and introduce a new measure of **distances** in the plane
- 2) compute a **distorted** diagram which
  - has **parabolic edges** and
  - has the same **combinatorial structure** as VD
- 3) **un-distort** the diagram to the desired VD



- ❖ Our presentation here will be somewhat different from Fortune's
- ❖ We will distort the sweepline instead of the diagram itself

