

Voronoi Diagram

Plane Sweep

- Events

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(Significant) Events

- ❖ Positions of the SL where the **topological structure** of the BL **changes**
- ❖ **Site** events: when the SL passes over a site
 - a new arc is **created** and **inserted** into the BL and
 - a Voronoi edge **splits** into 2
- ❖ **Circle** events: when the length of a parabolic arc shrinks to zero
 - the arc **disappears** and is **removed** from the BL
 - a new Voronoi vertex will be **created**, and
 - 2 Voronoi edges **merge** into one