

# Voronoi Diagram

Properties

- Split & Merge

Junhui DENG

[deng@tsinghua.edu.cn](mailto:deng@tsinghua.edu.cn)

❖ When  $x$  advances along an edge,

$\text{MaxEmptyDisk}(x)$  keeps touching

the 2 nearest sites of  $x$

❖ When a third site is touched,

$\text{MaxEmptyDisk}(x)$  splits into 2 new disks and

$x$  reaches the corresponding vertex

