

Voronoi Diagram

Properties

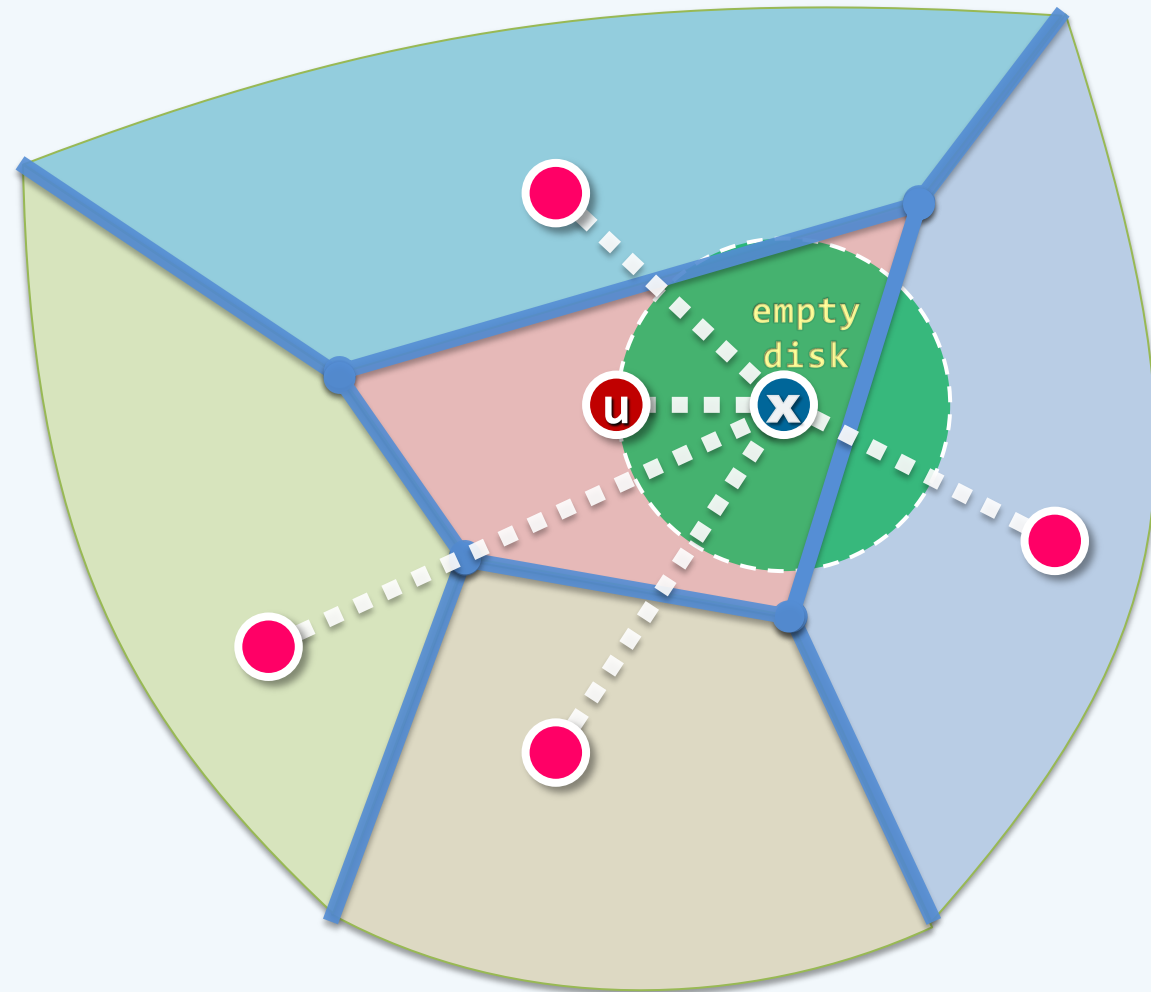
- Empty Disks

I was so empty inside
Till you came into my life
- Gary Wright

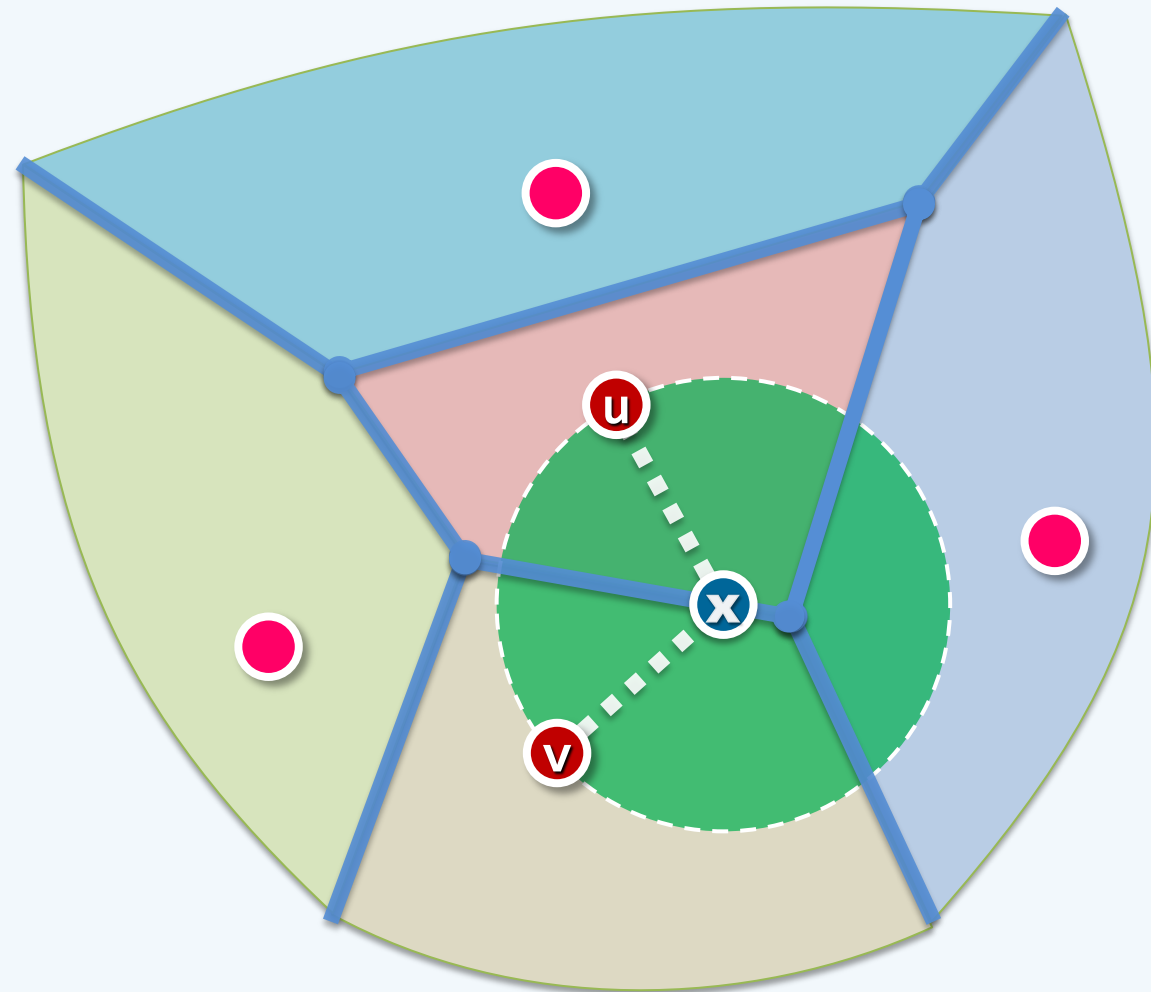
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❖ For each point x
lying inside $\text{Cell}(u)$,
 $\text{Disk}(x, |xu|)$
contains no sites



❖ For each point x
on the boundary/edge between
 $\text{Cell}(u)$ and $\text{Cell}(v)$,
 $\text{Disk}(x, |xu| = |xv|)$
contains no sites



❖ For each Voronoi vertex x
at the common intersection of
 $\text{Cell}(u)$
 $\text{Cell}(v)$ and
 $\text{Cell}(w)$,
 $\text{Disk}(x, |xu| = |xv| = |xw|)$
contains no sites

