

Delaunay Triangulation

Construction

- Evolution By Edge Flipping

求之不得, 寤寐思服

悠哉悠哉,辗转反侧

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Edge Flipping

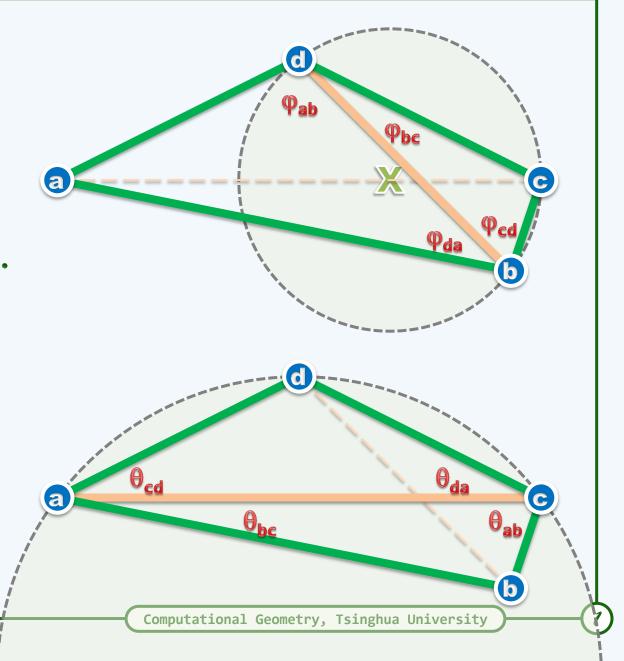
❖ For any triangulation

that fails to satisfy

the empty circle property ...

❖ We replace diagonal ac

with bd



Evolution

❖ After the flip operation, we have

$$\theta_{ab}$$
 < ϕ_{ab}

$$\theta_{bc} < \phi_{bc}$$

$$\theta_{cd} < \phi_{cd}$$

$$\theta_{da}$$
 < ϕ_{da}

❖ There should be 6 pairs
Where are the other 2?

