

Divide-and-conquer (1)

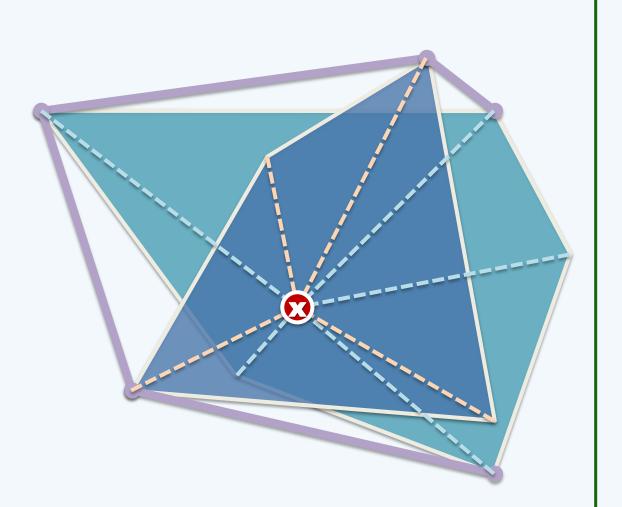
- Common Kernel

Junhui DENG

deng@tsinghua.edu.cn

Star

- ❖ The idea behind this algorithm is
 - to merge the subhulls intoa star-shaped polygon before
 - applying Graham Scan
- ❖ That's why
 we need a kernel point ...



Kernel

- ❖ We have known that
 - every convex hull is a star and
 - each interior point is a kernel point
- \diamond Consider x, the centroid of P_1
- ❖ Does x lie inside P₂ either?

