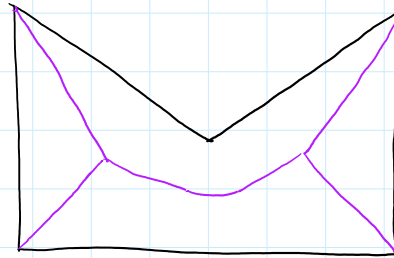


## MEDIAL AXIS

Set of points in  $P$  with more than 1 closest point in  $\partial P$ .

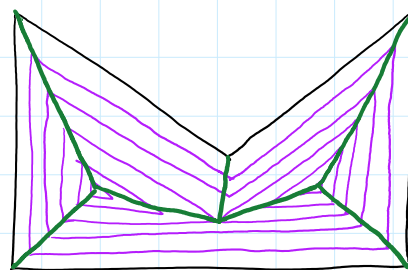
↑  
boundary

Set of "quench points" of a fire burning from the boundary at constant rate



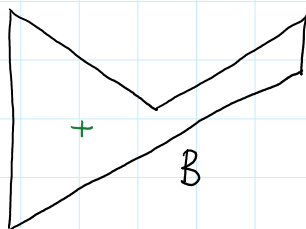
## STRAIGHT SKELETON

Set of vertices of polygonal offsets.



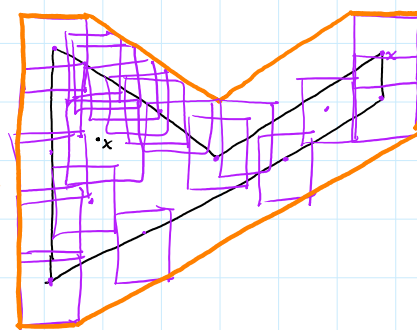
## MINKOWSKI SUM

**EXAMPLE:** Suppose we have two polygons, each marked with an origin.



For each point  $x \in B$ , position a copy of  $A$  such that its origin is at  $x$ .

Minkowski Sum  $\rightarrow$   
 $A \oplus B$



Take the union of all such copies of  $A$ , for all points  $x \in B$ .

What is the resulting shape?