

Delaunay Triangulation

RIC Analysis

Further Consideration

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Rebucketed Once?

- \diamondsuit It's true that the number of points that required rebucketing is $|O(n\log n)|$
- ❖ But when a point is inserted, many rebucketing operations may be needed (one for the initial insertion and one for each additional edge flip)
- ❖ The expected total number of individual rebucketing operations will not be larger by more than a constant factor, since ...
- ❖ As argued above,
 each insertion causes only a constant number of edge flips
- ❖ Hence,

the number of individual rebucketings per insertion is also a constant