

Geometric Range Search

Range Query

- Output Sensitivity

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❖ A **enumerating** query can be answered in $O(r + \log n)$ time

👁 $p[s]$ can also be found by binary search in $O(\log n)$ time

∴ Hence for **counting** query, $O(\log n)$ time is enough //independent to r



❖ Can this simple strategy be extended to **planar** range query?

TTBOMK, unfortunately, no!