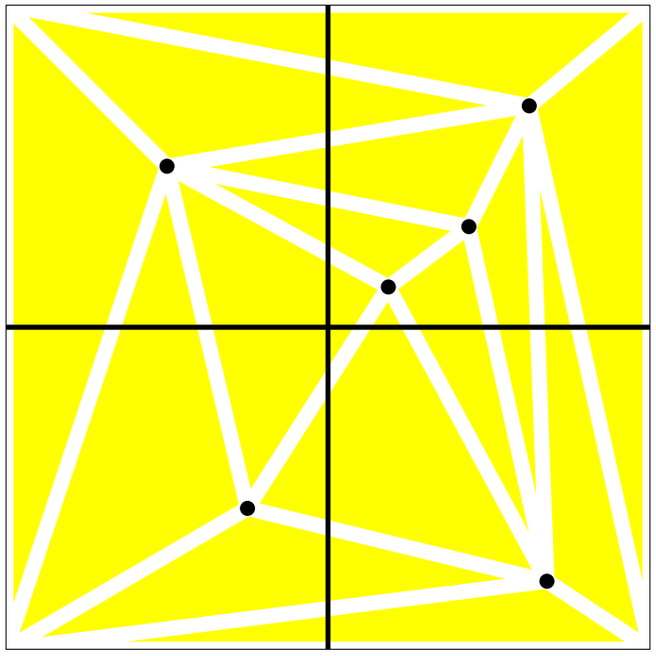
Ingredients: quadtrees ...

Quadtree: divide unit square into quadrants, refine until amount of data per cell is small.

(for example: until every cell has at most one vertex)