

## Materials for the final

The final covers all materials that were not covered in the midterm. Specifically:

1. Point location for a set of segments, including the parts of the analysis discussed in class, and including the discussion about this problem when segments intersect.
2. Properties of Voronoi Diagrams, including applications to motion planning of disks, and nearest neighbors, and properties of additive-weighted Voronoi Diagram.
3. Delauney Triangulation, and relationship to Voronoi Diagram
4. Line Arrangement and duality
5. Motion Planning
6. Good Quality Triangulation.