Topics for the exam
Computational Geometry (Geometriai Algoritmusok)
ELTE, 2018 spring, Balázs Keszegh

1. Convex hulls in the plane

2. Segment intersection, plane subdivisions

3. Polygon triangulation

4. Point location problem

5. Linear programming

6. Voronoi diagram

7. Computing the smallest disk and smallest-width annulus covering a point set

8. Computing the discrepancy; computing the subdivision induced by straight lines

9. Delaunay-triangulation and its application to finding a shortest length spanning tree

10. Convex hulls in higher dimensions