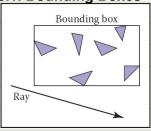
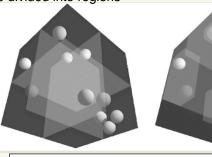
Chapter 12 - Data Structures

3. Spatial Data Structures

object partitioning scheme - group objects into hierarchy space partitioning scheme - space divided into regions

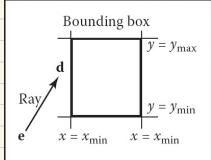
3.1. Bounding Boxes

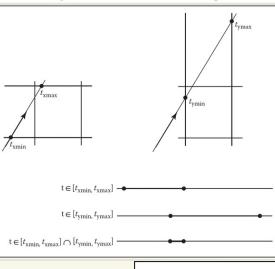




txmin = (xmin - xe) / xd txmax = (xmax - xe) / xd tymin = (ymin - ye) / yd tymax = (ymax - ye) / yd

3.2. Hierarchical Bounding





3.3. Uniform Spatial Dubdivision

