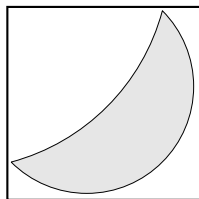
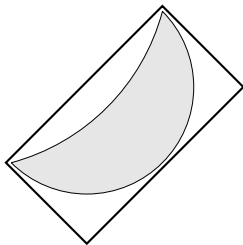


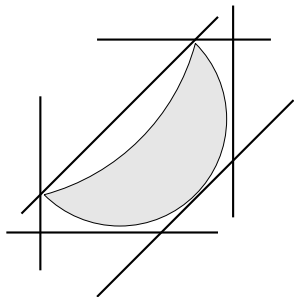
(a)



(b)



(c)



(d)

Figure X.6: Various kinds of two dimensional bounding volumes enclosing a crescent shape. (a) is a bounding sphere. (b) is an axis aligned bounded box (AABB). (c) is an oriented bounding box (OBB). (d) is a discrete oriented polygon ( $k$ -DOP) with  $k=3$ .