
Algorithm: Handover prediction

HP \leftarrow List();

for $i \leftarrow 1$ **to** $length(handover) - 1$ **do** *Handover loop*

 curr=handover[i]; next=handover[i+1];

 /*overlapping handover*/

if *Intersects(curr,next)* **then**

 centroid=Centroid(Intersects(curr,next));

 Add(HP,NearestPoint(route,centroid));

else

 line=LineBetweenNearestPoint(curr,next);

 /*line crossing route*/

if *Intersects(line,route)* **then**

 Add(HP,Intersects(line,route));

else

 midPoint=MidPoint(line);

 Add(HP,NearestPoint(route,midPoint));

end

end

end
