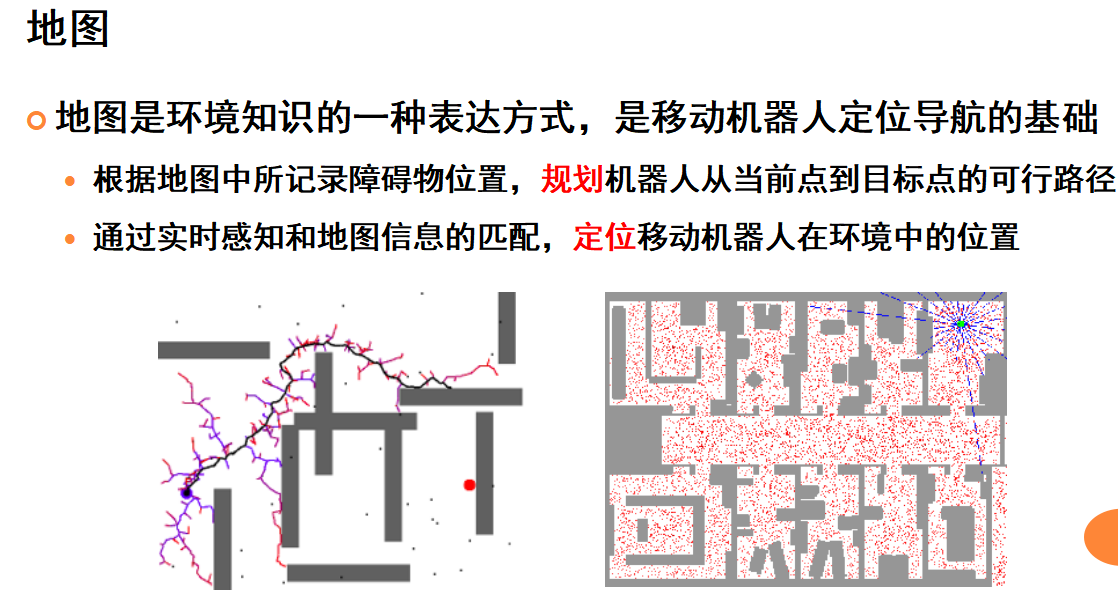
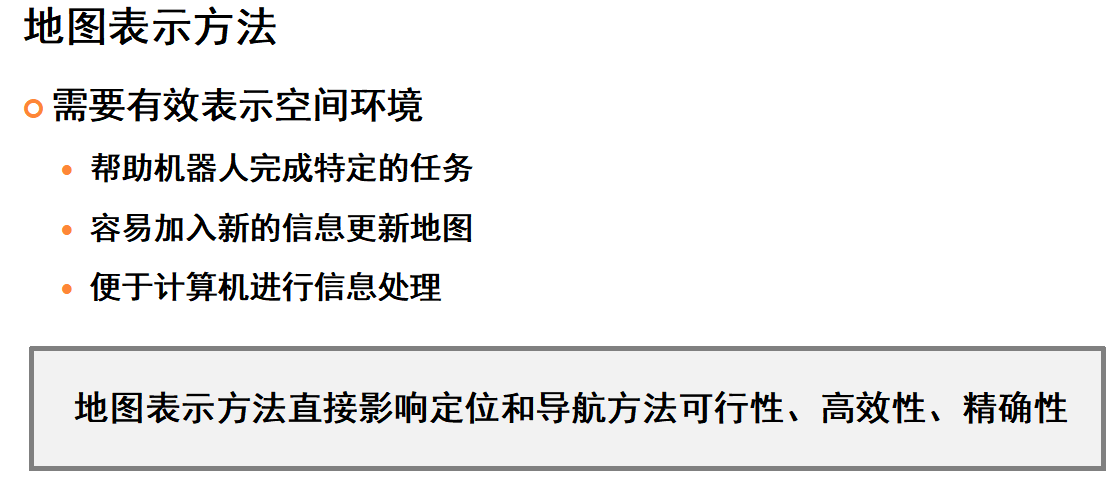
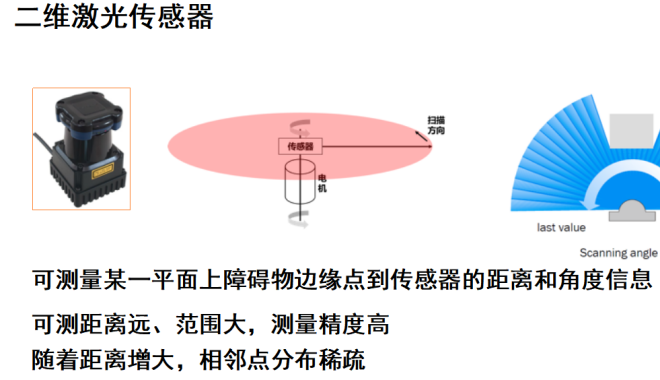
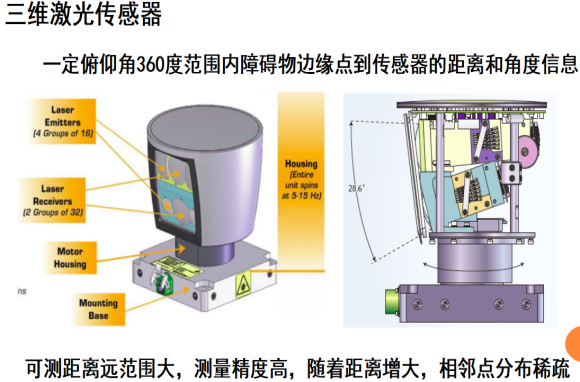
**第五章地图表示与构建**

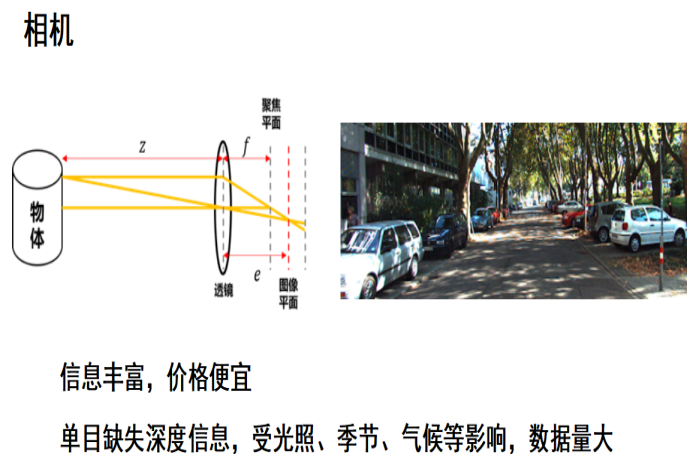
1. **概述**

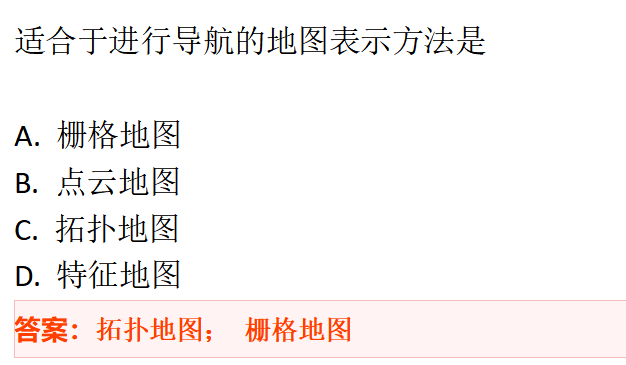
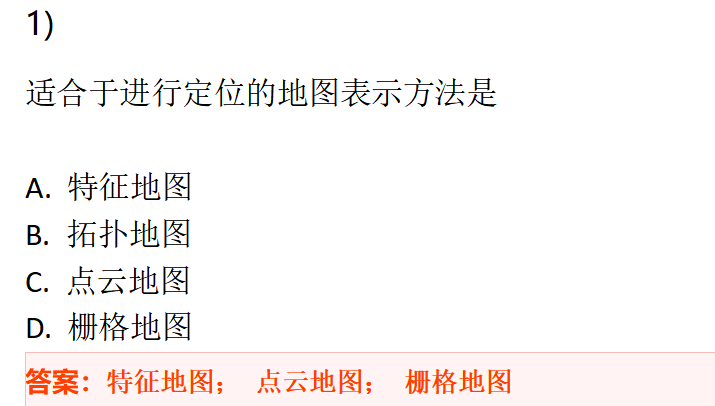
1. **常用的环境感知传感器**
2. **测距传感器（激光）**

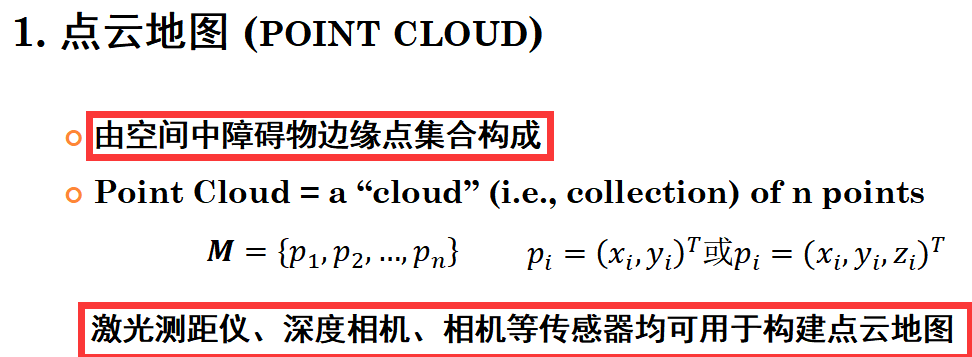
1. **相机**

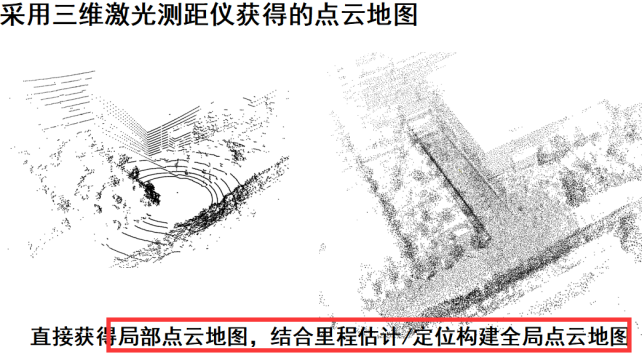
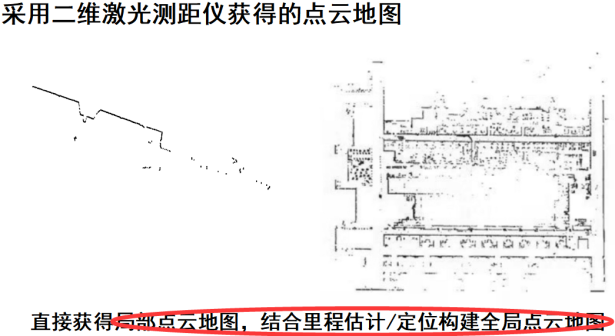
 

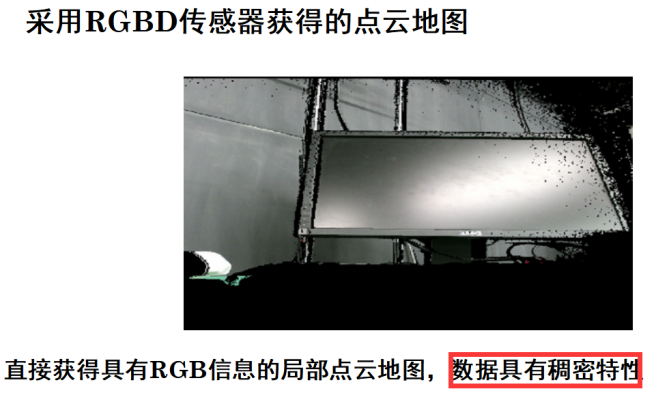
1. **地图表示方法**



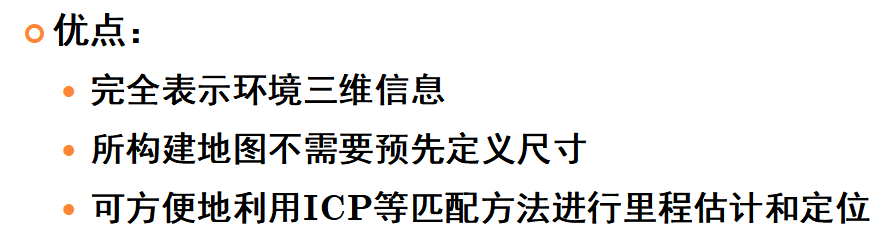
1. **点云地图**

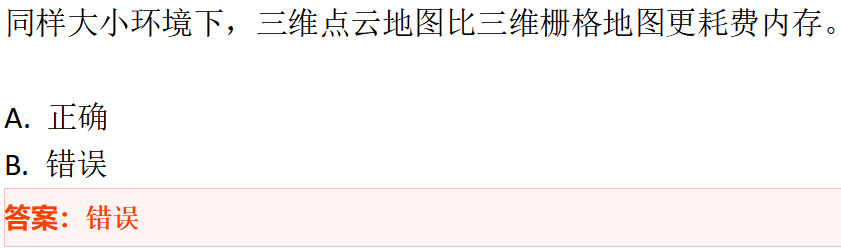
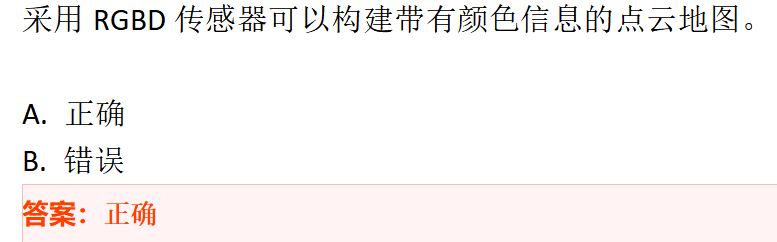
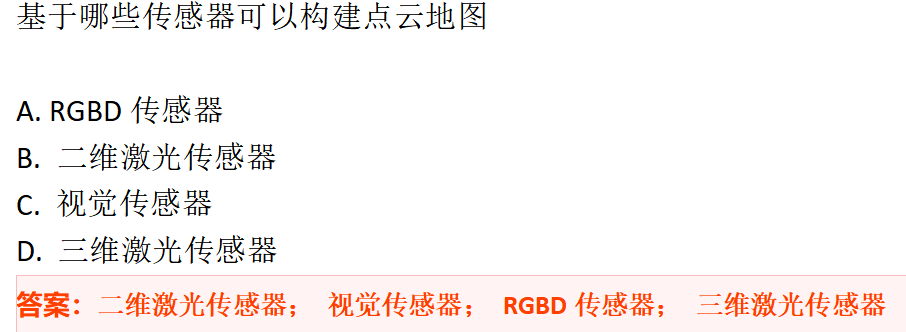




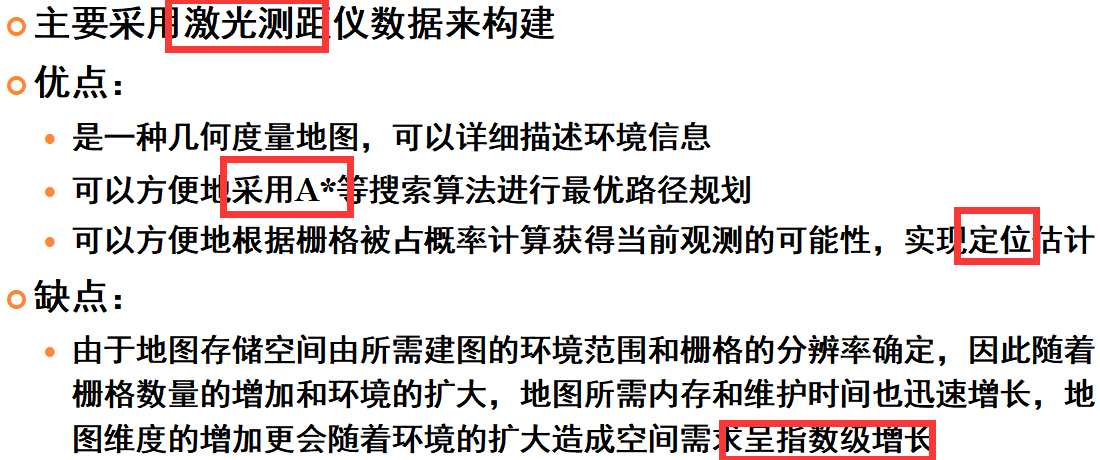
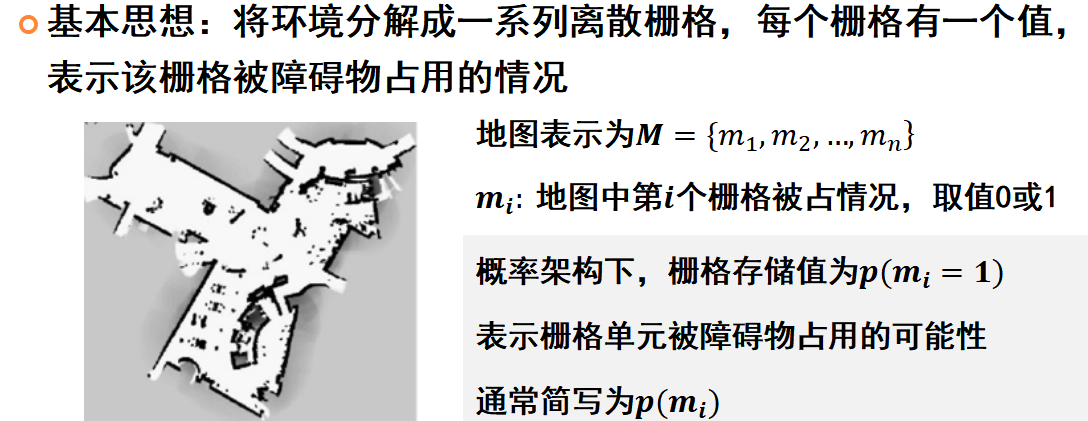


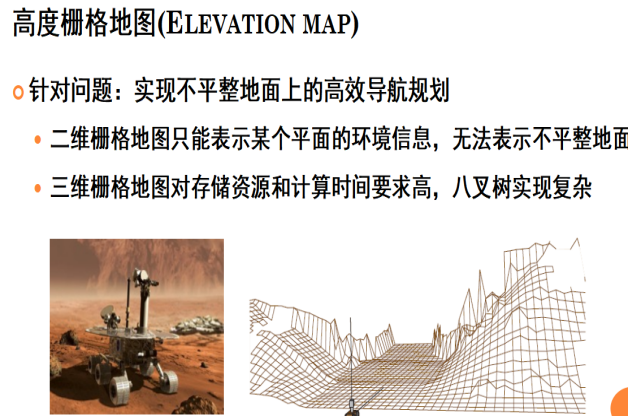
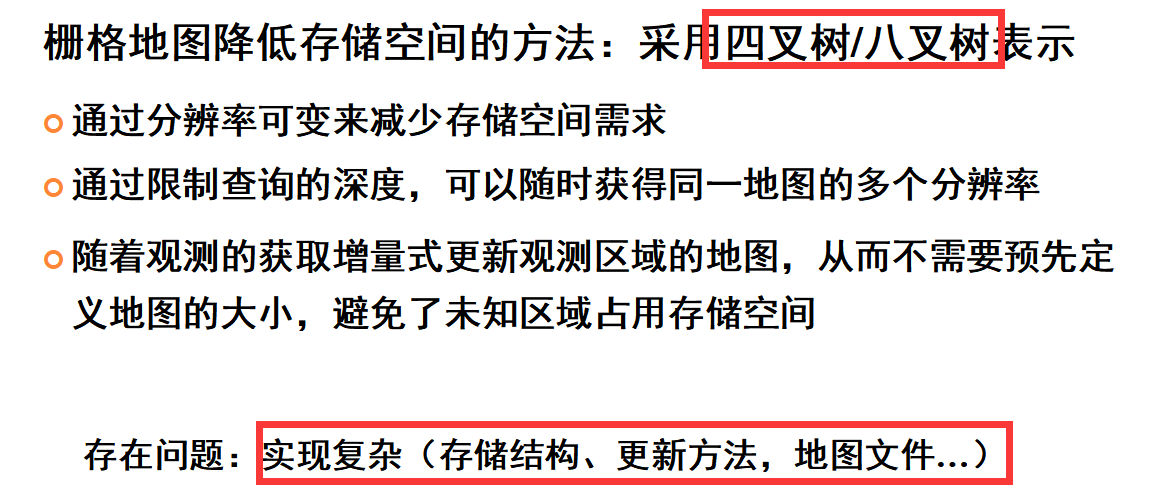
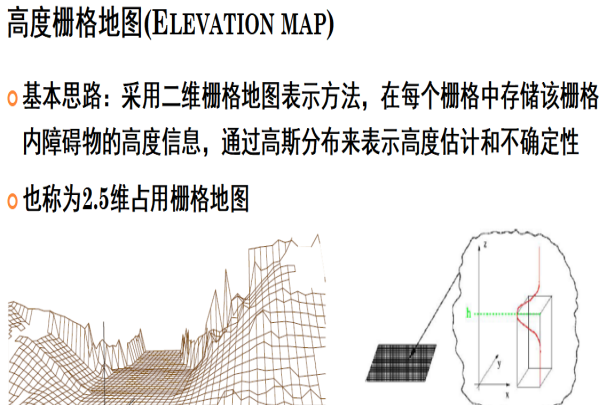
 

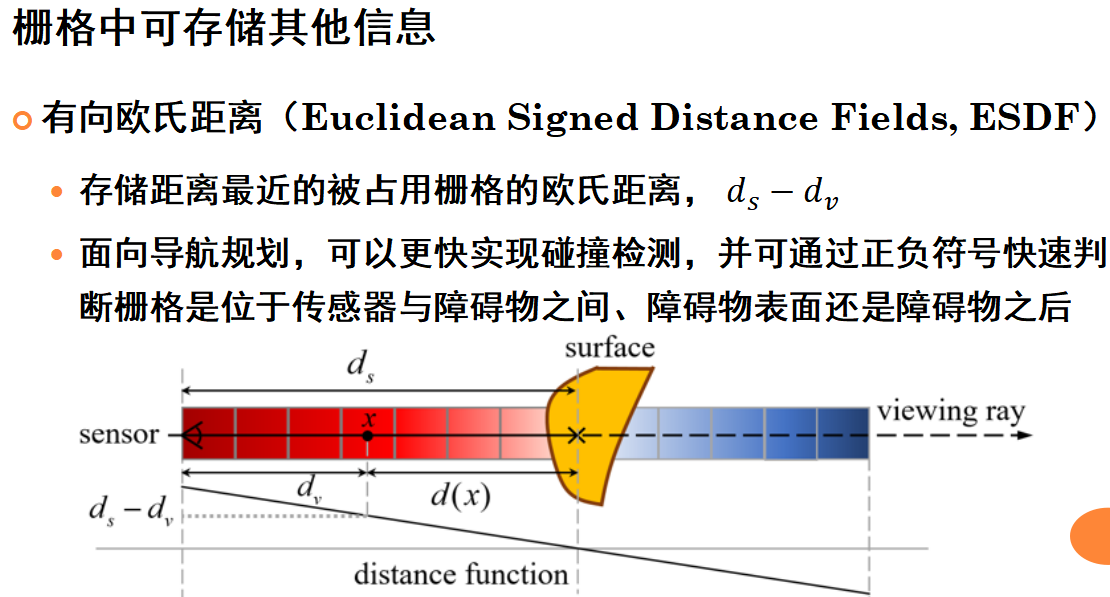
 

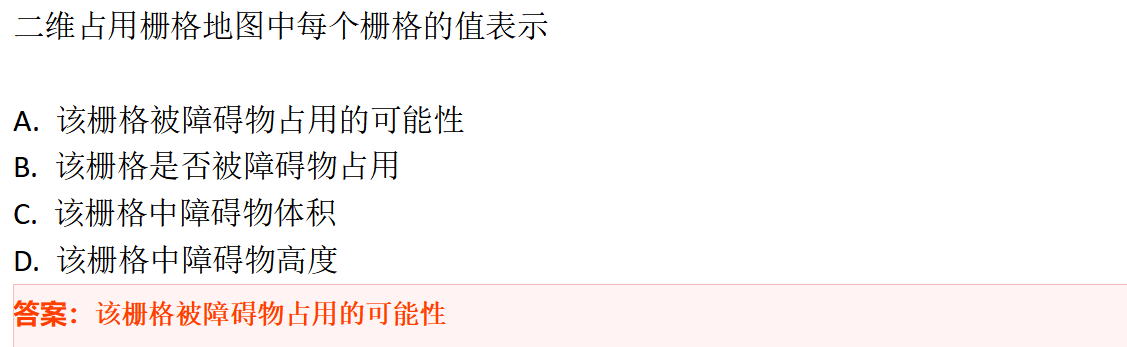


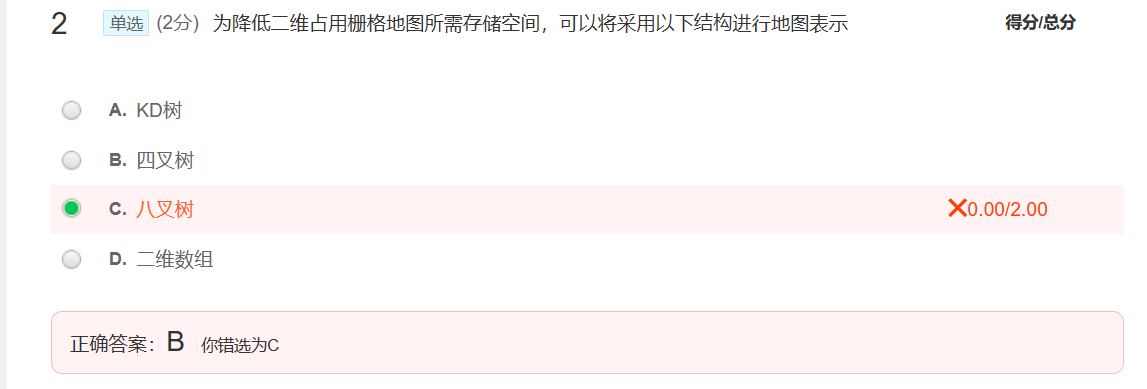
1. **栅格地图（也称为占用栅格地图）**



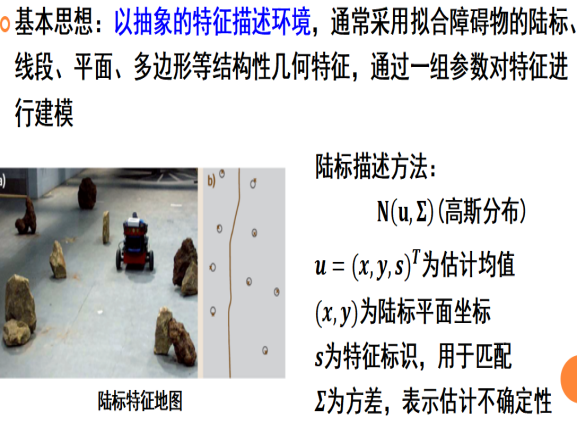
 

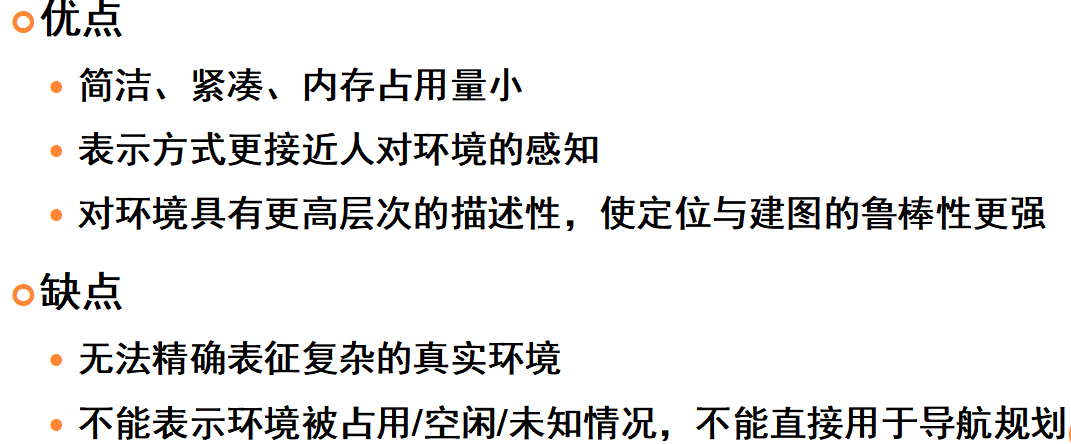
 

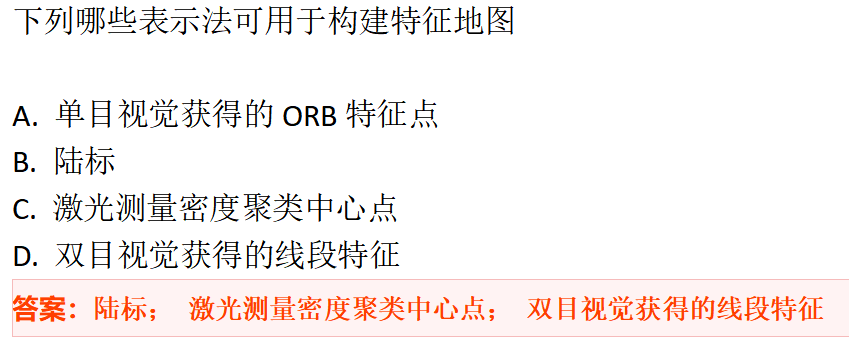




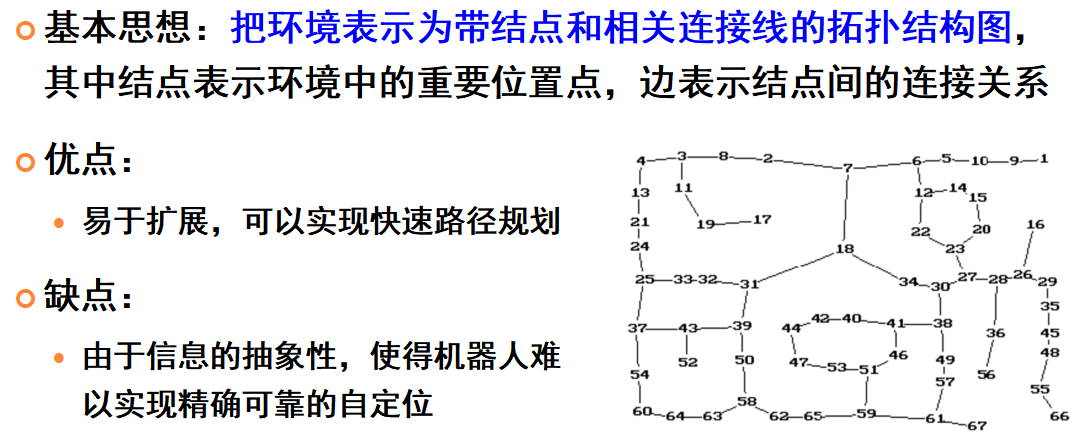
1. **特征地图**

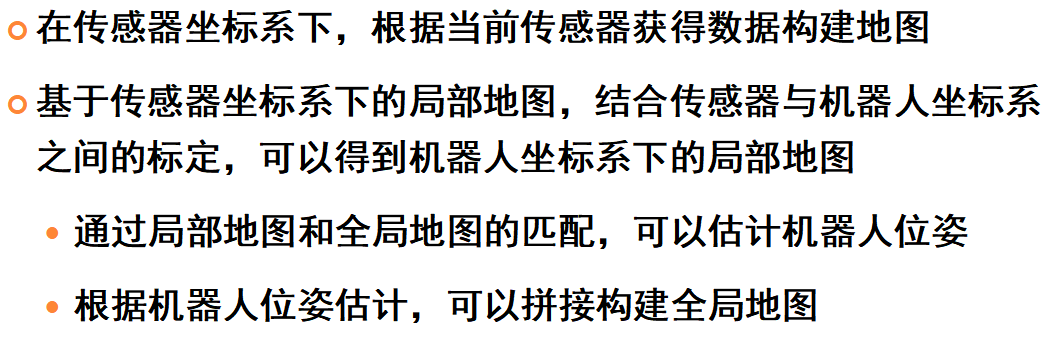




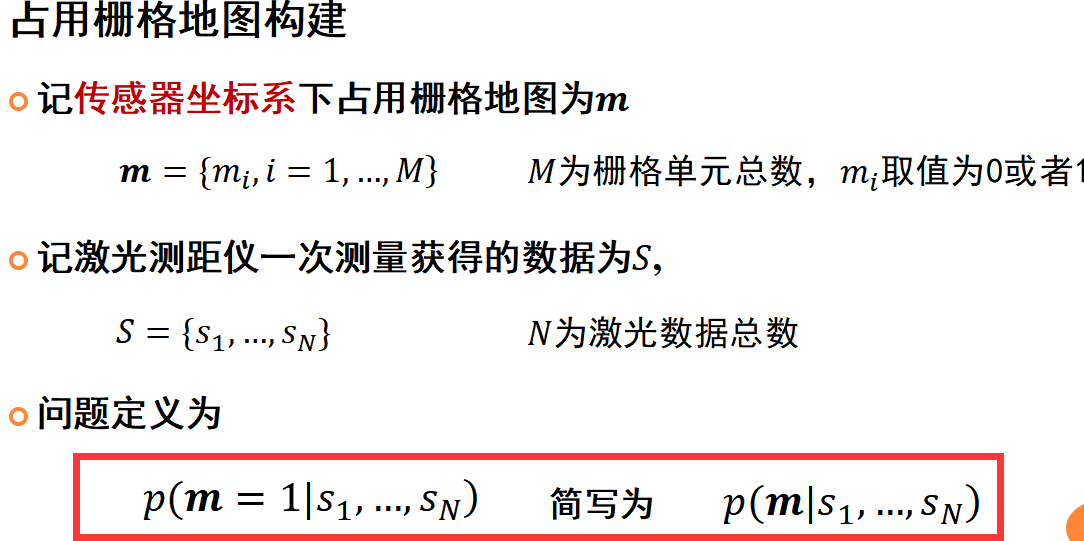
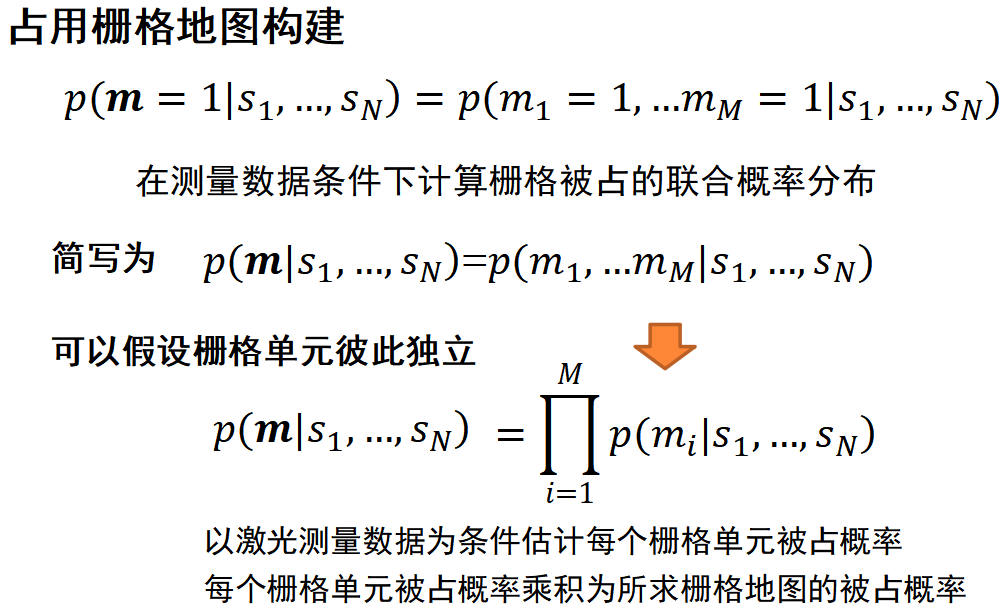
1. **拓扑地图(Map)**

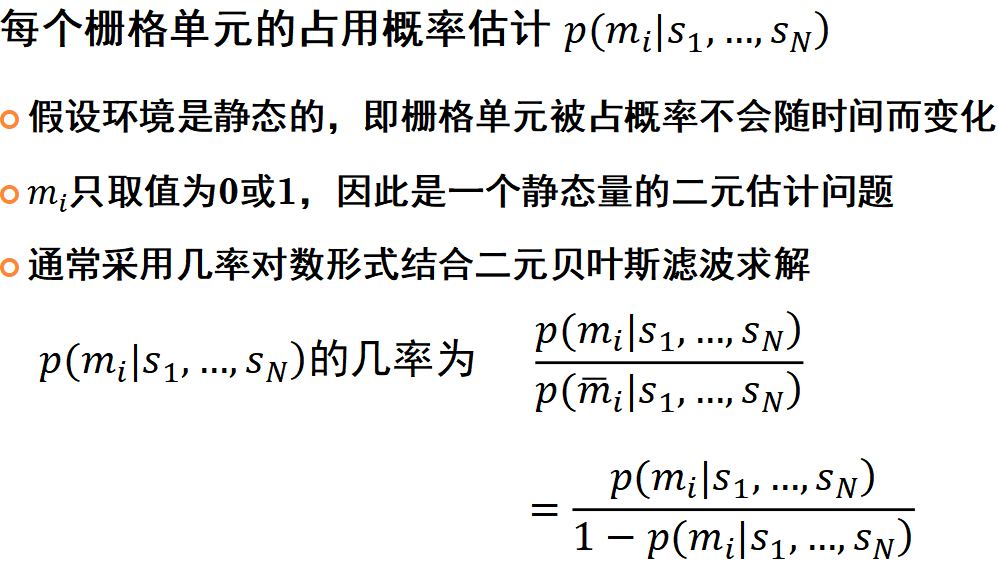
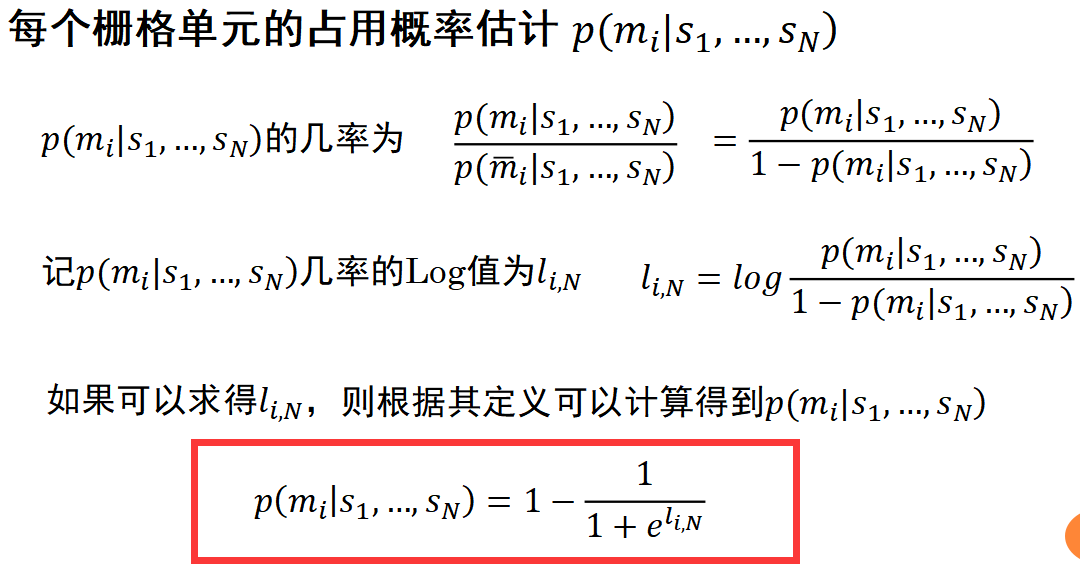


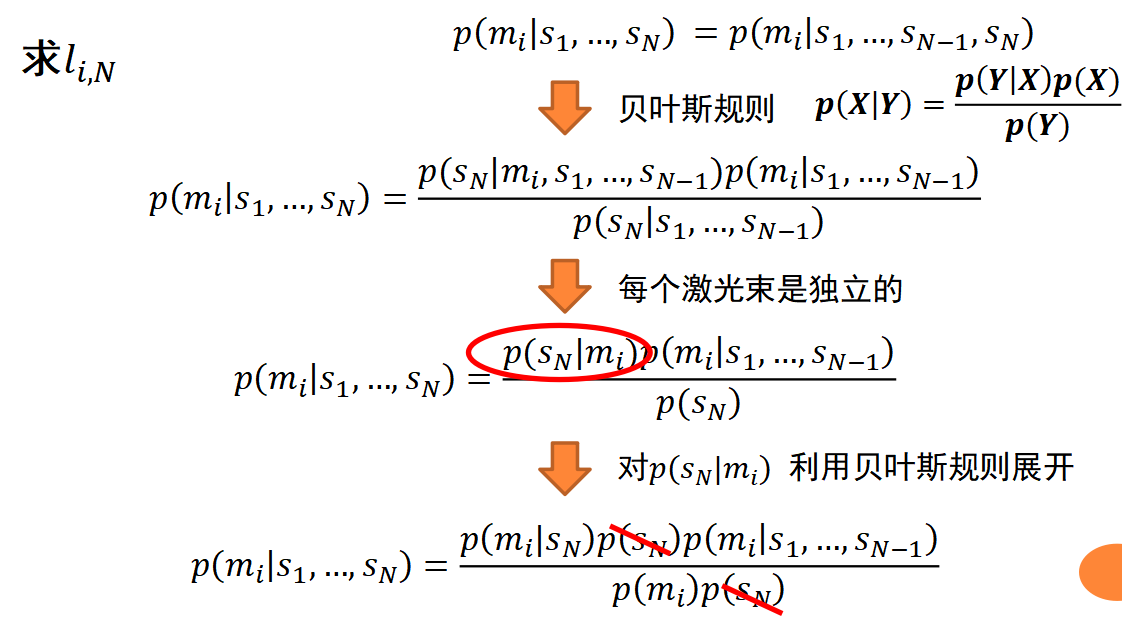
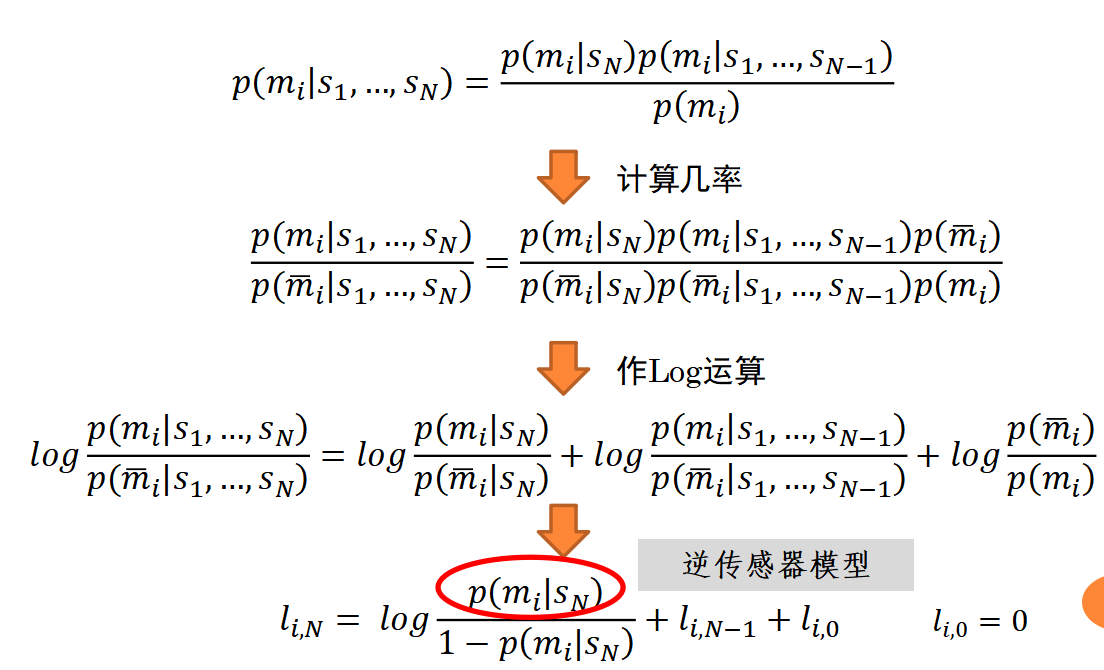
1. **现代地图**
2. **局部地图构建**

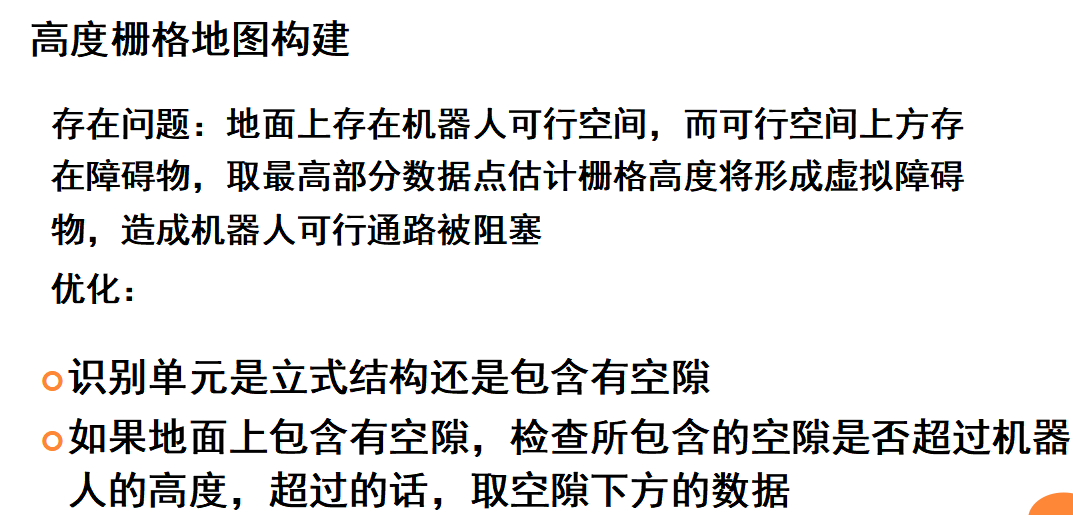
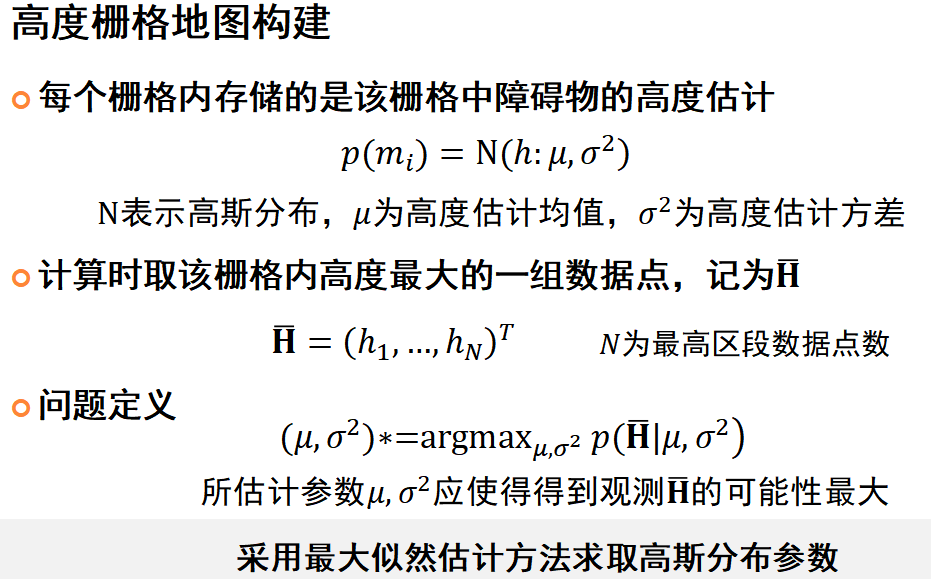
 

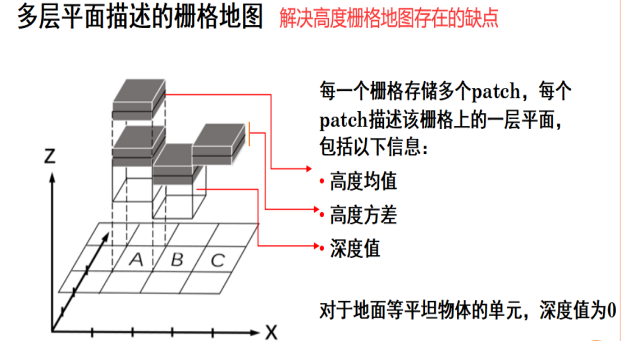
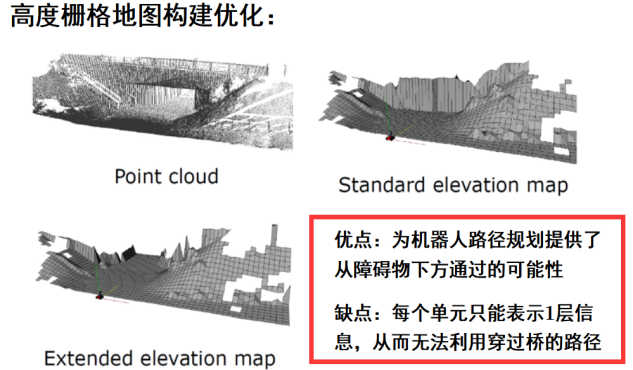
1. **局部栅格地图构建**

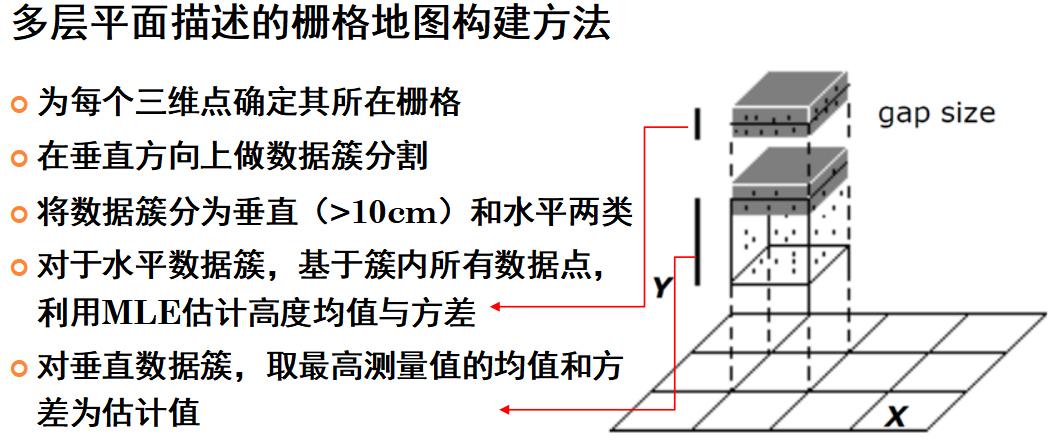
 





1. **局部线段特征地图**

