1. an example of bad ray bod' ray

of the ray is parallel to one side of the object, and it's close to the object, In such distance, it would take a long time for the ray to

reach the hit point, because delta would be small.

- Simple putting the individual distance estimators in a Kol tree would be more efficient if the object is revenly distributed all over the scene, so each time, kol tree would do meaningful spilt of the scene.

 [It would take Oclofo Time complexity would be oclogn) N(number of object) to if k-d tree is a blanced k-d tree.
- ② On the other hand, if the object all a crouded in a small area of the scene, then simply putting distance estimator would be more efficient.
- if pError is set to zero, then the take 'spherede' shape as an example, the image would become some about discrete points as shown in the left image.

This is because many points might not st satisfy the condition that no errors occur during the calculation. So to many points just be filtered out.

14) Trouble in implementation

D'linker problem': when I created the subclass of distance estimator, linker error occur, it says I dod't define the evaluation function which I actually did. I checked the function may times, it turns out I do not contain all the pure function, so the function was link nas not define successfully established

(2) 'The angle 'problem'. I haven't do the transformation of tay from nindow space to object space. When I rendered the mandelbulb, I do found out this problem because the scene created doesn't make sense at all.