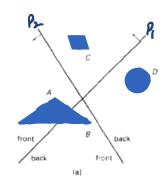
1) BSP Tree Method: -

(Binary Space Partitioning Tree)

Also painting the surfaces onto the screen from back to front.

Useful when the view reference point changes, but the objects in a scene are at fixed partions.



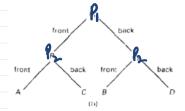


Figure 13-19 A region of space (a) is partitioned with two planes P_1 and P_2 to form

Once the true is complete, the true is procused from back to front, so that foreground objects are painted over the back ground.

@ Ray - tracing Method :-

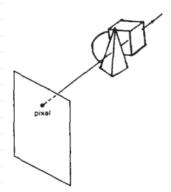


Figure 13-26
A ray along the line of sight from a pixel position through a scene.

Determing the intersection of the object using the line of sight.

Visible surface is the one whom interaction point is closest to the pixel lay costing:— visibility-detection tool, band on geometric optics methods, which traces the paths of light rays.

3 Area sub-division method:

image-space method but object-space

operations can be used to accomplish depth ordering

af surfaces.

Area - coherence by locating those view areas that represent part of a single surface.

Juccerniuly deviding the total viewing area into smaller and I smalled rectangles centil each small area is projection of a ringle virible surface or no surface at all

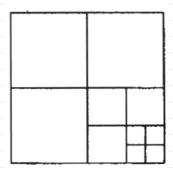
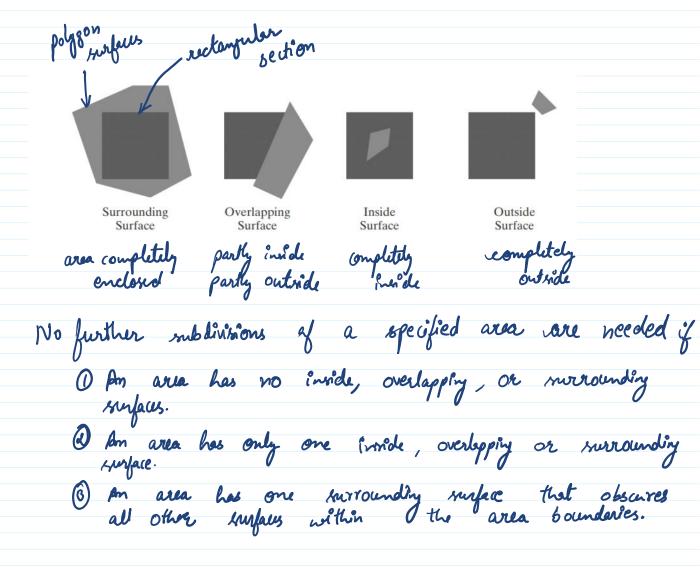


Figure 13-20
Dividing a square area into equal-sized quadrants at each step.



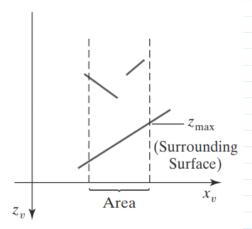


FIGURE 22

Within a specified area, a surrounding surface with a maximum depth of $z_{\rm max}$ obscures all surfaces that have a minimum depth beyond $z_{\rm max}$.