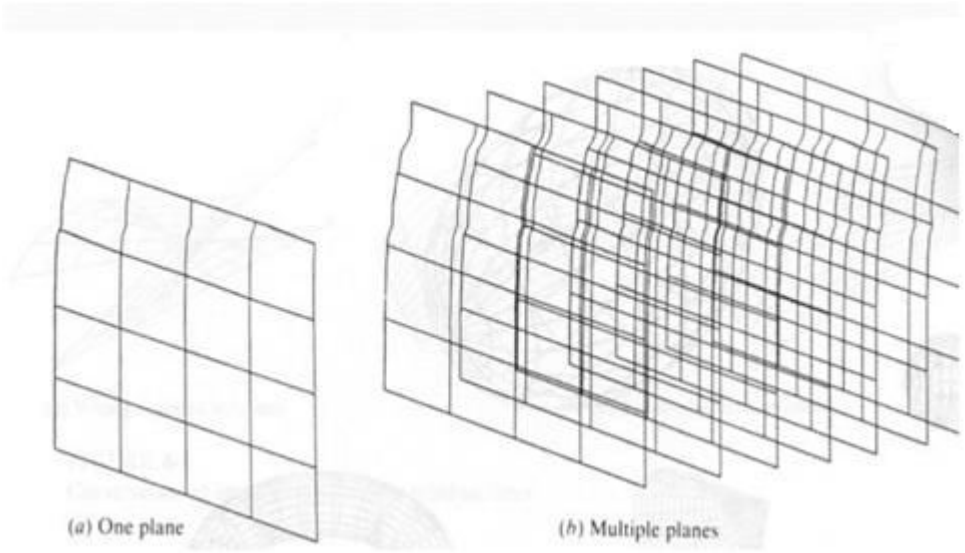
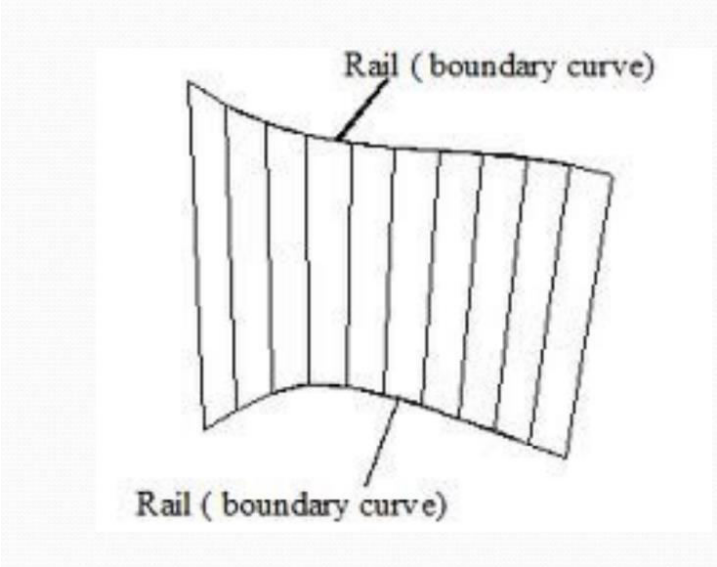
Plane surface



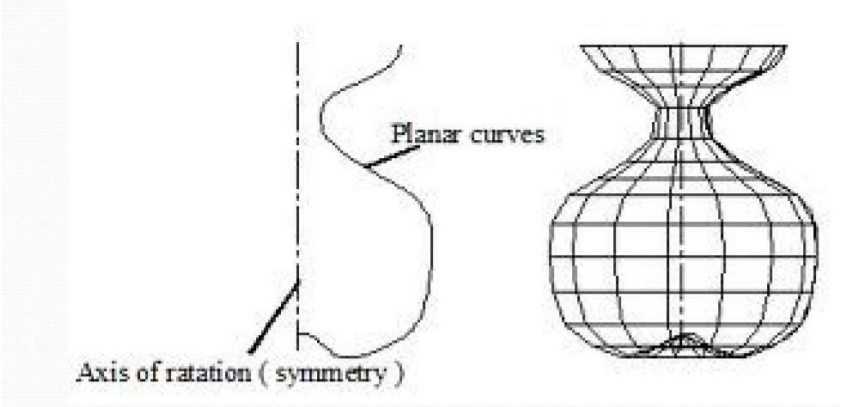
Ruled (lofted) surface.

This is a linear surface. It interpolates linearly between two boundary curves that define the surface.



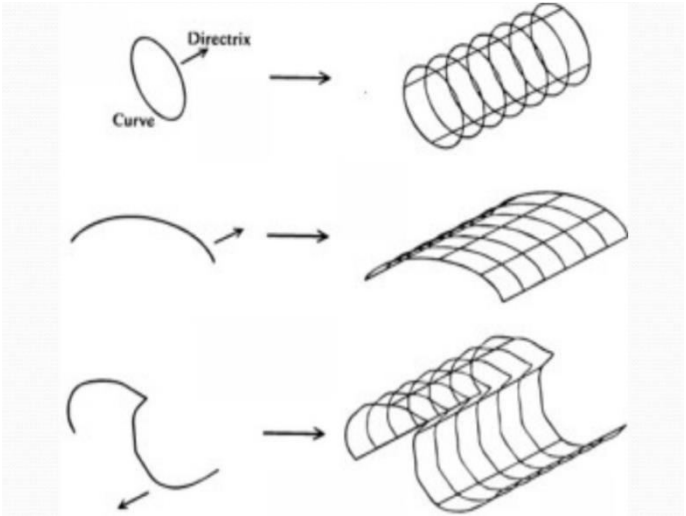
Surface of revolution.

This is an axisymmetric surface that can model axisymmetric objects. It is generated by rotating a planar wireframe entity in space about the axis of symmetry a certain angle.



Tabulated cylinder

- This is a surface generated by translating a planar curve a certain distance along a specified direction (axis of the cylinder).



Lecture No 35 Topic: Bezier surface.

- This is a surface that approximates given input data. It is different from the previous surfaces in that it is a synthetic surface. Similarly to the Bezier curve, it does not pass through all given data points. It is a general surface that permits, twists, and kinks . The Bezier surface allows only global control of the surface.