

Sec-3

Q.2

Advantages of B-spline Curve over Bezier Curves.

(ii) The degree of B-spline polynomial can be set independently of the number of control points.

(iii) B-spline allows local control over the shape of a spline curve or surface.

(iii) The trade-off is the B-spline are more complex than Bezier curves.

Clip a point

(i) Get the minimum and maximum coordinates of both viewing plane.

(ii) Get the coordinates for a point,

(iii) Check whether given input lies b/w minimum and maximum coordinate of viewing plane.

(iv) If yes display the point which lies inside the region otherwise discard it.