

Assignment 2

Computer Graphics (ETCS-210)

B.Tech. (CSE)

Section-S2

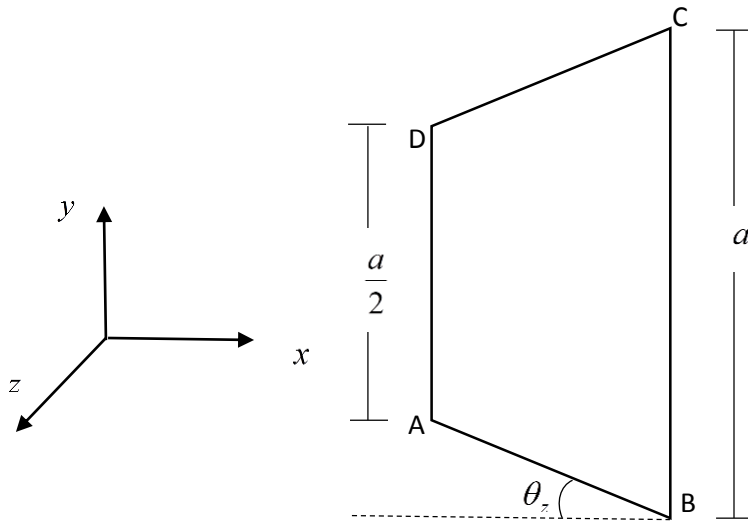


Figure 1

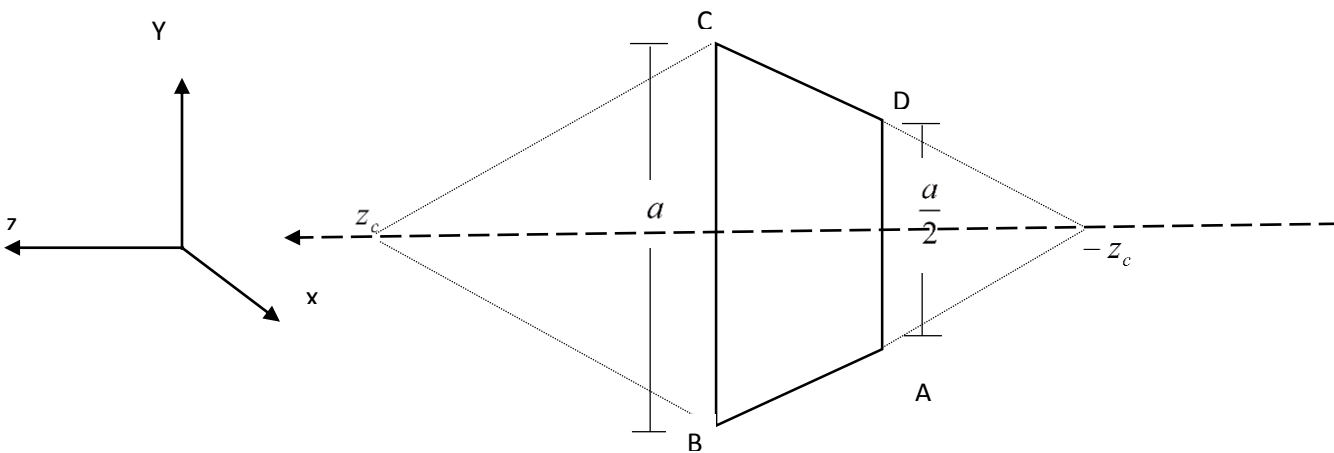


Figure 2

Suppose ABCD is a Square shaped solid surface object like a paper. If we rotate this object with some angle θ about z-axis and project it on a xy-plane through a single point of V.P. Projection (figure1). It was found that AD is reduced to half of its original length while applying a perspective projection. Now find out the value of θ and z_c .

[hint: Hint already has been discussed in class and supported information provided in figure2]

Note:- Last date to submit this Assignment is 24th March 2014