

## Assignment 2 (May 21, Submit by May 28)

Determine the bending moment at C in a simply supported beam AB which is subjected to a distributed load  $w(x)$ . Assume that beam AB is linear elastic without weight and that the elastic modulus and moment of inertia of beam AB are  $E$  and  $I$ , respectively.

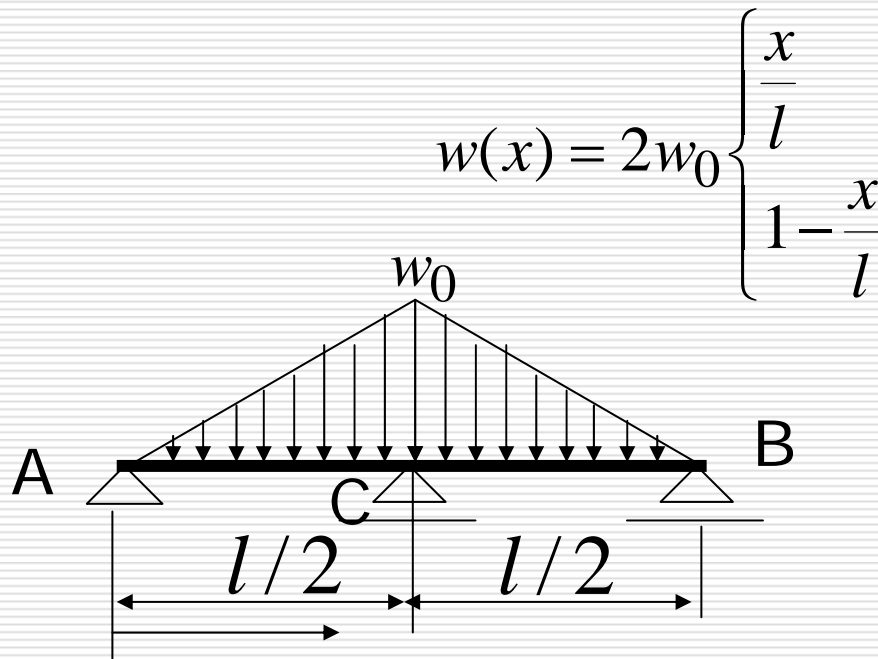


Fig. 1

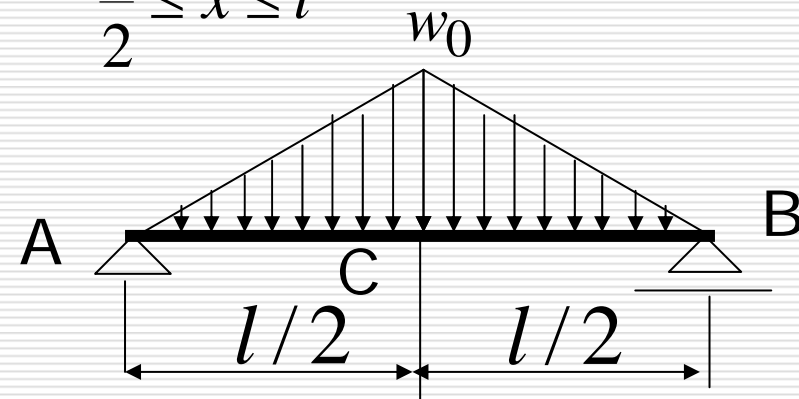


Fig. 2