

ASSIGNMENT NO: 11

1. Derive an expression for Absolute Stiffness when far end being simply supported.

$$K = 3EI/L$$

2. Derive an expression for Absolute Stiffness when far end being fixed.

$$K = 4EI/L$$

3. A continuous beam ABCD consists of three span and is loaded as shown in figure. Ends A and D are fixed. Determine the bending moment at the supports and plot the BMD.

