

Fixed End Moments

$(FEM)_{AB} = \frac{PL}{8} \quad (FEM)_{BA} = \frac{PL}{8}$	$(FEM)_{AB} = \frac{3PL}{16}$
$(FEM)_{AB} = \frac{Pb^2a}{L^2} \quad (FEM)_{BA} = \frac{Pa^2b}{L^2}$	$(FEM)_{AB} = \frac{P}{L^2} \left(b^2a + \frac{a^2b}{2} \right)$
$(FEM)_{AB} = \frac{2PL}{9} \quad (FEM)_{BA} = \frac{2PL}{9}$	$(FEM)_{AB} = \frac{PL}{3}$
$(FEM)_{AB} = \frac{5PL}{16} \quad (FEM)_{BA} = \frac{5PL}{16}$	$(FEM)_{AB} = \frac{15PL}{32}$
$(FEM)_{AB} = \frac{wL^2}{12} \quad (FEM)_{BA} = \frac{wL^2}{12}$	$(FEM)_{AB} = \frac{wL^2}{8}$
$(FEM)_{AB} = \frac{11wL^2}{192} \quad (FEM)_{BA} = \frac{5wL^2}{192}$	$(FEM)_{AB} = \frac{9wL^2}{128}$
$(FEM)_{AB} = \frac{wL^2}{20} \quad (FEM)_{BA} = \frac{wL^2}{30}$	$(FEM)_{AB} = \frac{wL^2}{15}$
$(FEM)_{AB} = \frac{5wL^2}{96} \quad (FEM)_{BA} = \frac{5wL^2}{96}$	$(FEM)_{AB} = \frac{5wL^2}{64}$
$(FEM)_{AB} = \frac{6EI\Delta}{L^2} \quad (FEM)_{BA} = \frac{6EI\Delta}{L^2}$	$(FEM)_{AB} = \frac{3EI\Delta}{L^2}$