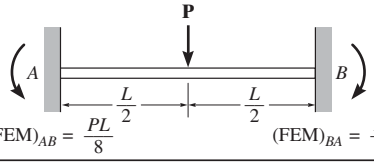
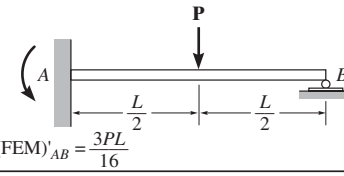
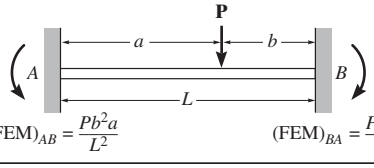
# Fixed End Moments



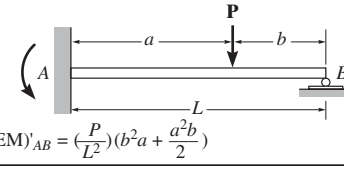

$(FEM)_{AB} = \frac{PL}{8}$ $(FEM)_{BA} = \frac{PL}{8}$



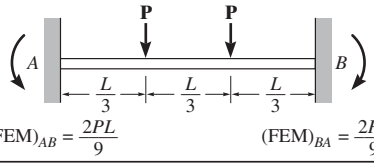

$(FEM)'_{AB} = \frac{3PL}{16}$



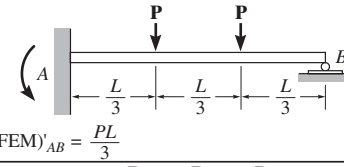

$(FEM)_{AB} = \frac{Pb^2a}{L^2}$ $(FEM)_{BA} = \frac{Pa^2b}{L^2}$



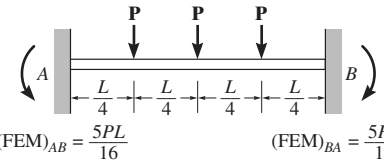

$(FEM)'_{AB} = (\frac{P}{L^2})(b^2a + \frac{a^2b}{2})$



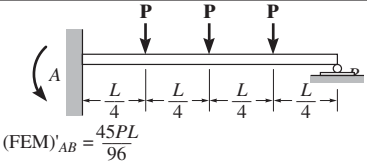

$(FEM)_{AB} = \frac{2PL}{9}$ $(FEM)_{BA} = \frac{2PL}{9}$



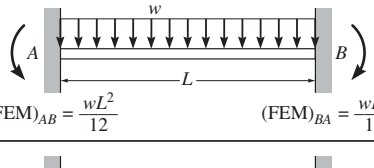

$(FEM)'_{AB} = \frac{PL}{3}$



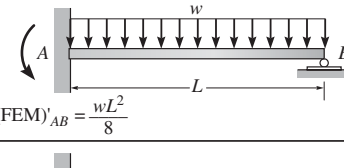

$(FEM)_{AB} = \frac{5PL}{16}$ $(FEM)_{BA} = \frac{5PL}{16}$



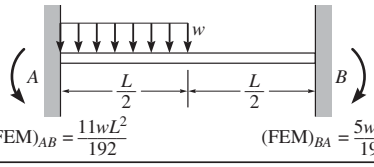

$(FEM)'_{AB} = \frac{45PL}{96}$



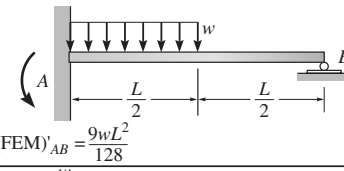

$(FEM)_{AB} = \frac{wL^2}{12}$ $(FEM)_{BA} = \frac{wL^2}{12}$



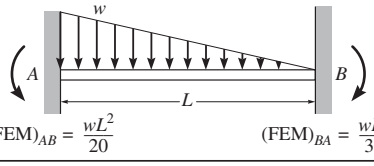

$(FEM)'_{AB} = \frac{wL^2}{8}$



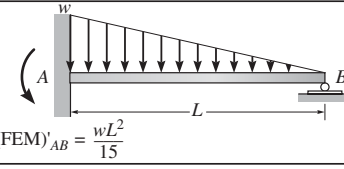

$(FEM)_{AB} = \frac{11wL^2}{192}$ $(FEM)_{BA} = \frac{5wL^2}{192}$



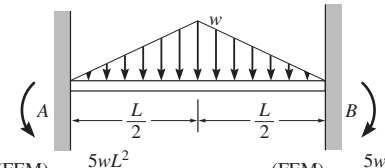

$(FEM)'_{AB} = \frac{9wL^2}{128}$



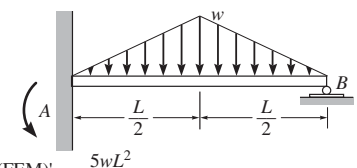

$(FEM)_{AB} = \frac{wL^2}{20}$ $(FEM)_{BA} = \frac{wL^2}{30}$



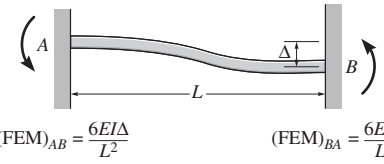

$(FEM)'_{AB} = \frac{wL^2}{15}$



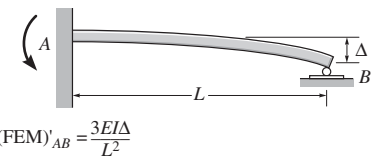

$(FEM)_{AB} = \frac{5wL^2}{96}$ $(FEM)_{BA} = \frac{5wL^2}{96}$




$(FEM)'_{AB} = \frac{5wL^2}{64}$




$(FEM)_{AB} = \frac{6EI\Delta}{L^2}$ $(FEM)_{BA} = \frac{6EI\Delta}{L^2}$




$(FEM)'_{AB} = \frac{3EI\Delta}{L^2}$