Numerical solution of Euler-Bernoulli beam subjected to concentrated load

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This paper investigate the numerical solution of Euler-Bernoulli beam subjected to concentrated load. the governing partial differential equation is solved using analytical-numerical method. The result of the analysis were depicted graphically. It was observe that as damping increases, the amplitude of the deflection increases keeping the fixed length of the beam constant and when there is no damping, the amplitude of deflection increases as the fixed length decreases. also with the fixed value of damping the amplitude of deflection decreases as the fixed length of the beam increases.