Computational and Numerical Methods

Group 16

Set 18 (12-11-2018): Two-Point Boundary Value Problem

Vidhin Parmar 201601003

Parth Shah 201601086

Show Code

Q

$$y'' = \frac{-2x}{1+x^2}y' + y + \frac{2}{1+x^2} - ln(1+x^2)$$

$$y(0) = 0$$

$$y(1) = ln(2) \quad \P$$

Error v/s x