CS 374 : COMPUTATIONAL AND NUMERICAL METHODS

SET 15

TAYLOR'S METHOD

PURVIL MEHTA (201701073)
BHARGEY MEHTA (201701074)

Dhirubhai Ambani Institute of Information and Communication Technology
Gandhinagar

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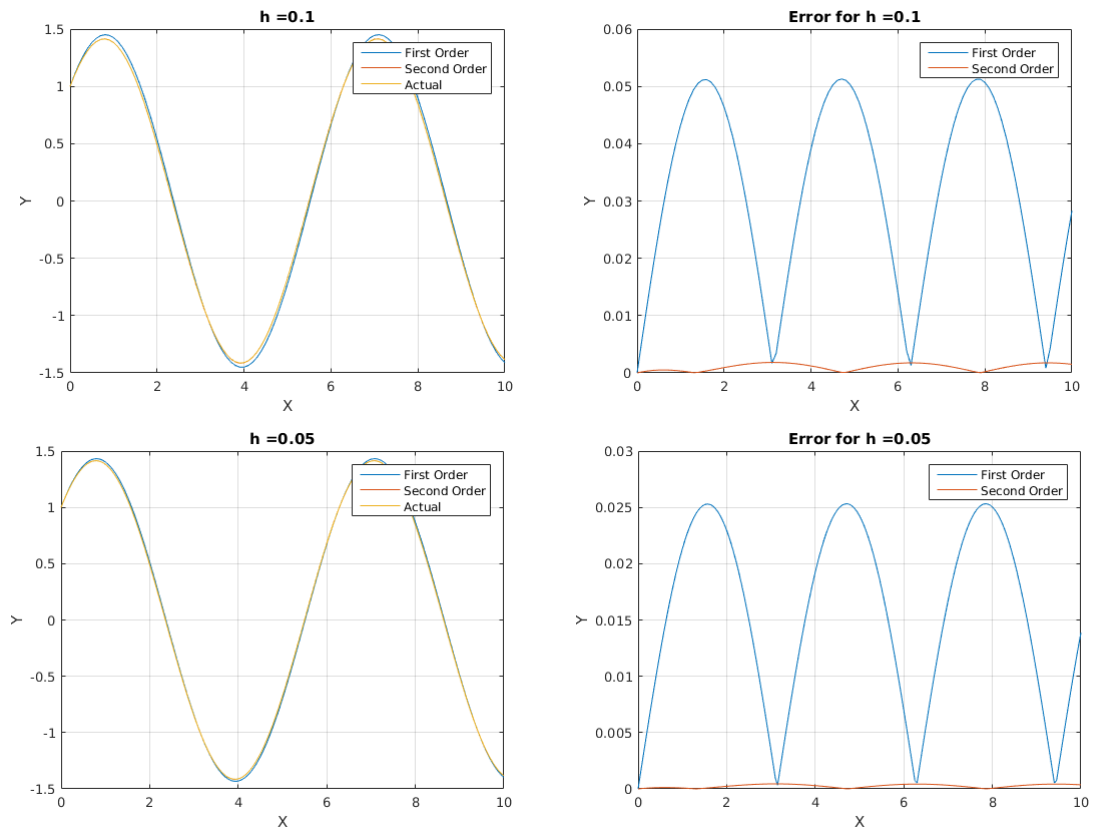$$Y'(X) = -Y(X) + 2\cos X \textbf{ with } Y(0) = 1$$

Figure 1: Comparison of the First Order and the Second Order Taylor's Method