

Métodos Numéricos

Tarea 1

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1. Using Matlab, plot on a single figure the function $f(x) = 1 - e^{2x}$, $x \in [-1, 1]$, together with its first- and second-order Taylor approximations about the point $x = 0$. Use a grid of 500 equally spaced nodes.
2. Miranda and Fackler (M&F). Exercise 1.2
3. M&F. Exercise 1.3
4. M&F. Exercise 2.2