

Taller

Obtenga 20 puntos de la solución de la ecuación, utilizando el método de Euler (los tres primeros términos) con $h=0.1$

$$dy/dx - (x + y) = 1 - x^2; y(0) = 1$$

Tabla de puntos y grafico obtenido

| | | |
|---------|-------------|---|
| [[0.1 | 1.2 |] |
| [0.2 | 1.429 |] |
| [0.3 | 1.6879 |] |
| [0.4 | 1.97769 |] |
| [0.5 | 2.299459 |] |
| [0.6 | 2.6544049 |] |
| [0.7 | 3.04384539 |] |
| [0.8 | 3.46922993 |] |
| [0.9 | 3.93215292 |] |
| [1. | 4.43436821 |] |
| [1.1 | 4.97780504 |] |
| [1.2 | 5.56458554 |] |
| [1.3 | 6.19704409 |] |
| [1.4 | 6.8777485 |] |
| [1.5 | 7.60952335 |] |
| [1.6 | 8.39547569 |] |
| [1.7 | 9.23902326 |] |
| [1.8 | 10.14392558 |] |
| [1.9 | 11.11431814 |] |
| [2. | 12.15474995 |] |

