

Método de Jacobi - Resultado

Solución final:

$$x = [-0.571428, -0.714285, -2.571428]$$

Iteraciones:

$$\text{Iteración 1: } x_1 = 0.250000, x_2 = -1.500000, x_3 = -2.250000$$

$$\text{Iteración 2: } x_1 = -0.687500, x_2 = -1.000000, x_3 = -2.562500$$

$$\text{Iteración 3: } x_1 = -0.640625, x_2 = -0.687500, x_3 = -2.671875$$

$$\text{Iteración 4: } x_1 = -0.589844, x_2 = -0.671875, x_3 = -2.582031$$

$$\text{Iteración 5: } x_1 = -0.563477, x_2 = -0.707031, x_3 = -2.565430$$

$$\text{Iteración 6: } x_1 = -0.568115, x_2 = -0.717773, x_3 = -2.567627$$

$$\text{Iteración 7: } x_1 = -0.571350, x_2 = -0.716064, x_3 = -2.571472$$

$$\text{Iteración 8: } x_1 = -0.571884, x_2 = -0.714294, x_3 = -2.571854$$

$$\text{Iteración 9: } x_1 = -0.571537, x_2 = -0.714066, x_3 = -2.571545$$

$$\text{Iteración 10: } x_1 = -0.571403, x_2 = -0.714230, x_3 = -2.571401$$

$$\text{Iteración 11: } x_1 = -0.571408, x_2 = -0.714299, x_3 = -2.571408$$

$$\text{Iteración 12: } x_1 = -0.571427, x_2 = -0.714296, x_3 = -2.571427$$

$$\text{Iteración 13: } x_1 = -0.571431, x_2 = -0.714287, x_3 = -2.571431$$

$$\text{Iteración 14: } x_1 = -0.571429, x_2 = -0.714285, x_3 = -2.571429$$

$$\text{Iteración 15: } x_1 = -0.571428, x_2 = -0.714285, x_3 = -2.571428$$

$$\text{Iteración 16: } x_1 = -0.571428, x_2 = -0.714286, x_3 = -2.571428$$