

Método de Jacobi - Resultado

Solución final:

$$x = [-0.833334, -2.500000, -2.833333]$$

Iteraciones:

$$\text{Iteración 1: } x_1 = -0.750000, x_2 = -2.000000, x_3 = -2.000000$$

$$\text{Iteración 2: } x_1 = -0.750000, x_2 = -2.312500, x_3 = -2.687500$$

$$\text{Iteración 3: } x_1 = -0.843750, x_2 = -2.484375, x_3 = -2.765625$$

$$\text{Iteración 4: } x_1 = -0.820312, x_2 = -2.480469, x_3 = -2.832031$$

$$\text{Iteración 5: } x_1 = -0.837891, x_2 = -2.502930, x_3 = -2.825195$$

$$\text{Iteración 6: } x_1 = -0.830566, x_2 = -2.496826, x_3 = -2.835205$$

$$\text{Iteración 7: } x_1 = -0.834595, x_2 = -2.501160, x_3 = -2.831848$$

$$\text{Iteración 8: } x_1 = -0.832672, x_2 = -2.499313, x_3 = -2.833939$$

$$\text{Iteración 9: } x_1 = -0.833656, x_2 = -2.500317, x_3 = -2.832996$$

$$\text{Iteración 10: } x_1 = -0.833170, x_2 = -2.499835, x_3 = -2.833493$$

$$\text{Iteración 11: } x_1 = -0.833415, x_2 = -2.500081, x_3 = -2.833251$$

$$\text{Iteración 12: } x_1 = -0.833293, x_2 = -2.499959, x_3 = -2.833374$$

$$\text{Iteración 13: } x_1 = -0.833354, x_2 = -2.500020, x_3 = -2.833313$$

$$\text{Iteración 14: } x_1 = -0.833323, x_2 = -2.499990, x_3 = -2.833343$$

$$\text{Iteración 15: } x_1 = -0.833338, x_2 = -2.500005, x_3 = -2.833328$$

$$\text{Iteración 16: } x_1 = -0.833331, x_2 = -2.499997, x_3 = -2.833336$$

$$\text{Iteración 17: } x_1 = -0.833335, x_2 = -2.500001, x_3 = -2.833332$$

$$\text{Iteración 18: } x_1 = -0.833333, x_2 = -2.499999, x_3 = -2.833334$$

$$\text{Iteración 19: } x_1 = -0.833334, x_2 = -2.500000, x_3 = -2.833333$$

$$\text{Iteración 20: } x_1 = -0.833333, x_2 = -2.500000, x_3 = -2.833333$$