

Método do gradiente 2D (algoritmo)

$dx(x_0, y_0) = df/dx(x_0, y_0)$

$dy(x_0, y_0) = df/dy(x_0, y_0)$

$x_1 = x_0 - \lambda * dx(x_0, y_0)$

$y_1 = y_0 - \lambda * dy(x_0, y_0)$

$k = 0$

ENQUANTO $|\lambda * \sqrt{dx * dx + dy * dy}| > \text{precisao}$ e

$k < k_max$ **FAZER**

$x_0 = x_1$

$y_0 = y_1$

$dx(x_0, y_0) = df/dx(x_0, y_0)$

$dy(x_0, y_0) = df/dy(x_0, y_0)$

$x_1 = x_0 - \lambda * dx(x_0, y_0)$

$y_1 = y_0 - \lambda * dy(x_0, y_0)$

$k = k + 1$

FIM DE ENQUANTO