

5. 利用一阶导数求极值

(1) 利用一阶导数求极值

→ 求导数并令其等于零

$$\lim_{x \rightarrow 2} (x^2 - 4x + 4) = 0$$

$$f'(x) = 2x - 4 = 0 \Rightarrow x = 2$$

$$f''(x) = 2 > 0 \Rightarrow \text{极小值}$$

$$\Rightarrow f(2) = 0 \text{ 为极小值}$$

$$= f(x_2) - f(x_1) = 0$$

$$(2) L = f(x) = x^2 - 4x + 4$$

$$L = f(x) = x^2 - 4x + 4$$

$$H(x) = (L \circ f)(x)$$

$$L = f(x) = x^2 - 4x + 4$$

