$$x = x_0 f$$

$$f \Delta f'(x) > 0 x \Delta f$$

$$f \mathbb{R} f''(x) > 0 \in \mathbb{R}$$

$$x \in \mathbb{R} |\eta \mu x| > |x|$$

$$f x_0 x_0$$

$$f \Delta f \Delta$$

$$C f f C$$

$$f(x) = e^{2x} - 2e^x x \geq 0 g(x) = \ x$$

$$f \circ g$$

$$\varphi(x) = x^2 - 2xx \geq 1$$

$$\varphi \varphi^{-1} \varphi$$

$$\varphi^{-1} y = x$$

$$\varphi \varphi^{-1}$$

$$f : \mathbb{R} \to \mathbb{R} f(x) = ax + e^{-x} a \in \mathbb{R} ax + e^{-x} \geq 1 a \neq 0 x \in \mathbb{R}$$

$$f(x) = x + e^{-x}$$

$$fy = kk \neq 1f$$

$$x_0 C_f$$

$$f 1 cm/s f x' x$$

$f:\mathbb{R}\to\mathbb{R}$

$f^2(x)(x^4+1)=\left(4e^{x^2-1}-\sqrt{2}xf(x)\right)\left(4e^{x^2-1}+\sqrt{2}xf(x)\right)$

$e^x+x\geq f(1)x+1x\in\mathbb{R}$

$f(x)\neq 0x\in\mathbb{R}f(x)=\frac{4e^{x^2-1}}{x^2+1}$

f

C_f

$x^2+(x+1)>x+(x^2+1)x>0$

f

$$x\to -x_0\left[\frac{f(0)}{x_0+x}\cdot\left(\frac{4e^{x^2-1}}{x^2+1}-\frac{4e^{x_0^2-1}}{x_0^2+1}\right)\right]=-\frac{4}{e}f'(x_0)$$