

0.1 Syntactically Demanding and Assorted Examples

1 Syntactically Demanding

The absolute value of both sides gives

$$|\xi_{n+1}|=\frac{|f''\left(\xi_n\right)|}{2\left|f'\left(x_n\right)\right|} \cdot \xi_n^2$$

and this shows something.

2 Assorted

$$a=b$$

$$|\psi\rangle=\int d^3r\psi\left(r\right)|r\rangle$$

$$\hat{A}\left(r\right)\psi\left(r\right)=\left\langle r\right|\hat{A}|\psi\rangle$$

$$f:A\times B\rightarrow C$$

$$f\left(x\right)=\bar{x}\cdot\tilde{x}$$

$$(\phi\rightarrow\langle\alpha\rangle\psi\wedge\psi\rightarrow\langle\beta\rangle\chi\rightarrow(\phi\rightarrow\langle\alpha\beta\rangle\chi)$$

$$\frac{\partial Q}{\partial t}=\frac{\partial s}{\partial t}$$

$$\frac{\partial Q}{\partial t}=\frac{\partial^{kn+2a+c}f}{\partial t}$$

$$\frac{d}{dx}\left(\frac{dy}{dx}\right)$$

$$a\neq b$$

$$a\in A$$

$$\forall x:\exists y: x\in A\Rightarrow r\left(x,y\right)$$

$$\sum_{i=1}^ni$$

$$\int_a^b f(x) \frac{d}{dx}$$

$$\sum_{t \in T} f(t)$$

$$\sum_{i \in A} f_i(x)$$

$$\sum_{i \in A} f_i(x_i^2)$$

$$\sum_{i \in A} f^i(x_2^i)$$