$y = 2x - 1$

$y = 2x - 1$
$y = 2x - 1$
$x^2 - 1$

$$x^2 - 1$$

$x^{2y}, x^{2y^x}, X_{n_1}^{2y^z}$
$2^{2^{2^{2^{2^{2^2}}}}}$
$f'(x) \quad f'''(x)|_{x=0}$
$\pi, \Phi, \Sigma, \mu, \alpha$
$\mathit{\Gamma\Pi\Phi}$는 $\Gamma\Pi\Phi$와 다르다.
  는 $\Psi\Theta\Omega$와 다르다.
$\sqrt[n]{x}, \sqrt[3]{ax+b}, \sqrt[2]{5}, \sqrt{2}, \sqrt[x]{2}$

$$\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+x}}}}}} \tag{1}$$

$$\sqrt{a} \quad \sqrt{d} \quad \sqrt{g}$$

$(x_1 + \cdots + x_n)$
$(a_1, \ldots, a_m)$
$\ldots(\ldots)$
$\dfrac{x^2+1}{y_1^2-1}$
$1 + \cfrac{1}{1+\cfrac{1}{1+\cfrac{1}{1+\cfrac{1}{1+x}}}}$
$\frac{1}{2}, \frac{x}{2}$
$\mathcal{S}$를 $\mathcal{S} = \{A \mid A \ni \mathcal{T}\}$라 하자.
$\emptyset, \emptyset$
$\not\ni, \not\subset, \not< $
$\lim_{n\to\infty}$

$$\lim_{n\to\infty}$$

$\limsup_n$

$$\liminf_{n\longrightarrow\infty}$$

$$liminf_{n\longrightarrow\infty}$$

$a \bmod b \qquad y \pmod{a+b}$

$\iint\cdots\int f dP$

$1/\log n \qquad 1/\log$

$\sqrt{4}\,n$

$f(x;\mu,\sigma) = \frac{1}{\sqrt{2\pi}\sigma}\exp\Big\{-\frac{(x-\mu)^2}{2\sigma^2}\Big\}$

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디스플레이 스타일:

$$\sum_{i=1}^{n} x_i = \int_0^1 f$$

텍스트 스타일: $\sum_{i=1}^{n} x_i = \int_0^1 f$

$\frac{a-b}{c+d}$ 와 $\frac{a-b}{c+d}$

$\dfrac{a-b}{c+d}$

$\frac{a-b}{c+d}$

$\vec{x}+\vec{y} = \left\{ \begin{array}{l} a \\ b \end{array} \right.$

$$\mathbf{A} = \begin{pmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{pmatrix}$$

$$\widehat{a-1} = \widetilde{x-y} + \widehat{\mathrm{Cov}}$$

$$\begin{array}{lll} a & b & c \\ a-b & b-c & c-a \\ x^2+2x+1 & x^2+2x+1 & x^2+2x+1 \end{array}$$

$$\begin{aligned} a_{11}x_1 + a_{12}x_2 + \cdots + a_{1n}x_n &= b_1 \\ a_{11}x_1 + a_{12}x_2 + \cdots + a_{1n}x_n &= b_1 \\ &\vdots \\ a_{11}x_1 + a_{12}x_2 + \cdots + a_{1n}x_n &= b_1 \end{aligned} \tag{2}$$

$$\left(\begin{array}{c} \left| \begin{array}{cc} a & b \\ c & d \end{array} \right| \\ e \\ f \end{array} \right)$$

$$x^n = \overbrace{x \times x \times \cdots \times x}$$

$$\overbrace{a + \underbrace{b + \overline{c + d}} + e}$$

$$\overbrace{a + \underbrace{b + c}_{123} + e}^{ab}$$

$$\frac{p(x_i|\boldsymbol{x}_{-i})}{1 - p(x_i|\boldsymbol{x}_{-i})} = \theta_1 \sum_{i=1}^{m} x_i + \beta_1 \sum_{\text{nbr}} x_i x_{i'} \tag{3}$$

$$\begin{aligned} (x+y)^2 &= x^2 + xy + yx + y^2 && (4) \\ &= x^2 + xy + xy + y^2 \\ &= x^2 + 2xy + y^2 && (5) \end{aligned}$$

$$\begin{aligned} (x+y)^2 &= x^2 + xy + yx + y^2 && (6) \\ &= x^2 + 2xy + y^2 \end{aligned}$$

$$\begin{aligned} a + b + c + d + e + f + g + h + i + j + k + l = \\ x + y + z + a + b + c + d + e + f + g + o + s + t + \\ u + v + w \end{aligned}$$

Math italic $diffe rent$ is from *different*.

$$f(x) = \begin{cases} x & if x > 2 or if x < -2 \\ x & \text{if} x > 2 \text{or if} x < -2 \\ x & \text{if } x > 2 \text{ or if } x < -2 \end{cases} \tag{7}$$

Form $\mathrm{e}^{\mathrm{pdf}} + (\mathrm{x})$
Form $e^{pdf} + (x)$

$\texttt{Form e}^{\texttt{pdf}} + (\texttt{x})$
$\mathbf{Form\ e^{pdf}} + (\mathbf{x})$
$\mathsf{Form\ e^{pdf}} + (\mathsf{x})$
$\mathcal{ABC}$

$$\mathbf{a} = (a_1, a_2, \ldots, a_n)^T$$

$\boldsymbol{a = (a_1, a_2, \ldots, a_n)^T}$
$\boldsymbol{a}= (a_1, a_2, \ldots, a_n)^T$
$\boldsymbol{a} = (a_1, a_2, \ldots, a_n)^T$
$\boldsymbol{aX + \beta + \gamma}$
$\boldsymbol{aX} + \boldsymbol{\beta} + \boldsymbol{\gamma}$
$A \xrightarrow{f} B \xrightarrow{g} C$
$AAAAA$
$\frac{a+b}{c-d}$
$\frac{a+b}{c-d}$
$1 + \frac{1}{1+\frac{1}{1+\frac{1}{1+\frac{1}{1+x}}}}$

$$1 + \cfrac{1}{1 + \cfrac{1}{1 + \cfrac{1}{1 + \cfrac{1}{1 + \cfrac{1}{1+x}}}}}$$