

My first document

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1 section1

Hello World!

1.1 Subsection

Subsection paragraph

1.1.1 Subsubsection

ddddddd

dd some more text.

even more text.

2 section2

$$f(x) = x^2 + sigma(x) + log(10) + x^3 + 3x^2 + 5x + 1.8 \tag{1}$$

$$f(x) = x^2 + 5x + 1.8 \tag{2}$$

$$g(x) = \lambda * 2 + 3 \tag{3}$$

$$l(x) = (x^2 + 2 * x)/(3 + 5 * x) \tag{4}$$

$$1 + x^2 + 4 * x = 3 \tag{5}$$

$$1 = 3 - 2 \tag{6}$$

$$4 * x + 8 * x^3 + 5 \qquad \qquad \qquad = 10 \tag{7}$$

3 section3-functions

$$f(x) = x^2 \quad (8)$$

$$g(x) = \frac{1}{x} \quad (9)$$

$$F(x) = \int_x^0 \frac{1}{3} x^3 \quad (10)$$

$$L(x) = \int_b^a \frac{1+x}{1+x^2} \sqrt{x} e^2 \quad (11)$$

$$f(x) = \frac{1}{d\sqrt{2} * p} \quad (12)$$

$$f(x) = \left(\frac{1}{d\sqrt{2} * p} \right) \quad (13)$$

$$f(x) = \left[\frac{1}{d\sqrt{2} * p} \right] \quad (14)$$

$$f(x) = \left\{ \frac{1}{d\sqrt{2} * p} \right\} \quad (15)$$

$$(16)$$

$$F(x) = \int_a^b \left(\sum_{n=1}^{+\infty} u_n(x) \right) dx = \sum_{n=1}^{+\infty} \int_a^b u_n(x) dx \quad (17)$$

$$(18)$$

$$(19)$$

$$Loss(y_{true}, y_{pred}) = \frac{1}{x} \quad (20)$$

$$Loss(y_{true}, y_{pred}) = 1 - \frac{2 \sum_{pixel} y_{true} y_{pred} + smooth}{\sum_{pixel} y_{true}^2 + \sum_{pixel} y_{pred}^2 + smooth} \quad (21)$$

$$(22)$$

4 section4-matrixs

$$A_{m,n} = \begin{pmatrix} a_{1,1} & a_{1,2} & \cdots & a_{1,n} \\ a_{2,1} & a_{2,2} & \cdots & a_{2,n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{m,1} & a_{m,2} & \cdots & a_{m,n} \end{pmatrix} \quad (23)$$

$$A = \begin{pmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{pmatrix} \quad (24)$$

$$B = \begin{bmatrix} a & b & c \\ d & e & f \\ g & h & i \end{bmatrix}$$

$$\begin{matrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{matrix} \tag{25}$$

$$\begin{bmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{bmatrix} \tag{26}$$

$$\left\{ \begin{matrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{matrix} \right\} \tag{27}$$