# My first document

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2020/11/09

# 1 section1

Hello World!

# 2 section2

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

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

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

$$g(x) = \lambda * 2 + 3 \tag{4}$$

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

$$1 + x^2 + 4 * x = 3 \tag{6}$$

$$1 = 3 - 2 \tag{7}$$

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

# 3 section3-functions

$$f(x) = x^2 \tag{9}$$

$$g(x) = \frac{1}{x} \tag{10}$$

$$F(x) = \int_x^0 \frac{1}{3}x^3 \tag{11}$$

$$L(x) = \int_b^a \frac{1+x}{1+x^2}\sqrt{x}e^2 \tag{12}$$

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

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

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

$$f(x) = \left\{\frac{1}{d\sqrt{2*p}}\right\} \tag{16}$$

$$F(x) = \int_a^b \left(\sum_{n=1}^{+\infty} u_n(x)\right) \mathrm{d}x = \sum_{n=1}^{+\infty} \int_a^b u_n(x)\,\mathrm{d}x \tag{17}$$

$$Loss(y_true, y_pred) = \frac{1}{x} \tag{18}$$

$$Loss(y_{true}, y_{pred}) = 1 - \frac{2\sum_{pixel} y_{true}y_{pred} + smooth}{\sum_{pixel} y_{true}^2 + \sum_{pixel} y_{pred}^2 + smooth} \tag{19}$$

$$\tag{20}$$

$$Loss(y_{true}, y_{pred}) = \log(1 + \exp(-1 * \sum_{Scoremap} y_{true}y_{pred})) \tag{21}$$

$$\tag{22}$$

# 4 section4-matrixs

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

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

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

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

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

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