Title

Author[*] email1

Author2[†] email2

Contents

1 Essential

\todo

\marginpar

\mcomment

$$\binom{n}{k} = \frac{n!}{k!(n-k)!} \tag{1}$$

$$= \frac{1}{2\pi i} \oint_{\Gamma} \frac{(1+z)^n}{z^{k+1}} \, \mathrm{d}z \tag{2}$$

Table 1: Caption

A	$\mathbb{R}$[*]
a	b
c	d
e	f
g	h

TensorFlow[†] (Abadi et al., 2016), Abadi et al. (2016).
Section 1 on a page 1, table 1, figure 1, equations (1) and (2).

[*]thanks

[†]thanks

[*]footnotemark–footnotetext

[†]footnote

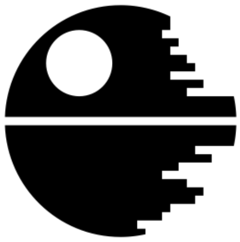


Figure 1: Caption

2 Other CO_2

Subfigures

Proof

The proof is easy and is left to a reader. $\square$

Test math

$$\sum_{\mu} \textstyle\sum_{\mu} \displaystyle \mathbb{R}^{n\times m} \left\langle \frac{\Psi}{1} \right| \left| \frac{\Psi}{1} \right\rangle \left\langle \frac{\Psi}{1} \middle| \frac{\Psi}{1} \right\rangle \left\langle n \middle| \prod_k U_k \middle| \frac{x}{1} \right\rangle \left\langle n \middle| \prod_k U_k \middle| \frac{x}{1} \right\rangle$$

$$\mathrm{Normal}(\mathrm{x} \mid \mu, \sigma^2)$$

$$\mathrm{Normal}(\mathrm{x} \mid \mu, \sigma^2)$$

$$\mathrm{Normal}(\mathrm{x} \mid \mu, \sigma^2)$$

$$Y \sim \mathrm{U}[0,1] \propto\propto \mathrm{Beta}(a, b\;;\; c, d)\; \Gamma\left(x \;\middle|\; \alpha + \sum_{k=0}^{n} \theta_k \right) \mathcal{N}(\mathrm{x} \mid \mu, \sigma^2)$$

$$\sum_{n=-\infty}^{+\infty} f(x) \geqslant\geqslant\geq \operatorname{med} X$$

$$\varepsilon + \mathrm{e}^{-\frac{(x-2)^2}{2\sigma^2}} + \mathrm{const}$$

$$\dot{a}\varepsilon\phi\varphi$$

$$\not\propto\not\subset\not\in\notin$$

$$\equiv\doteq\approx\subset\supset\ni|\|\neq\neq$$

$$\ln p = \operatorname{Tr} A = \operatorname{tr} A = \operatorname{var} X = \mathrm{KL}(P \parallel Q) = D_{\mathrm{KL}}(P \parallel Q)$$

$$\star * \circ \bullet \oplus \otimes \odot \dagger \ddagger\dagger\ddagger$$

$$\bigoplus\bigotimes\bigodot\bigcup\bigcap$$

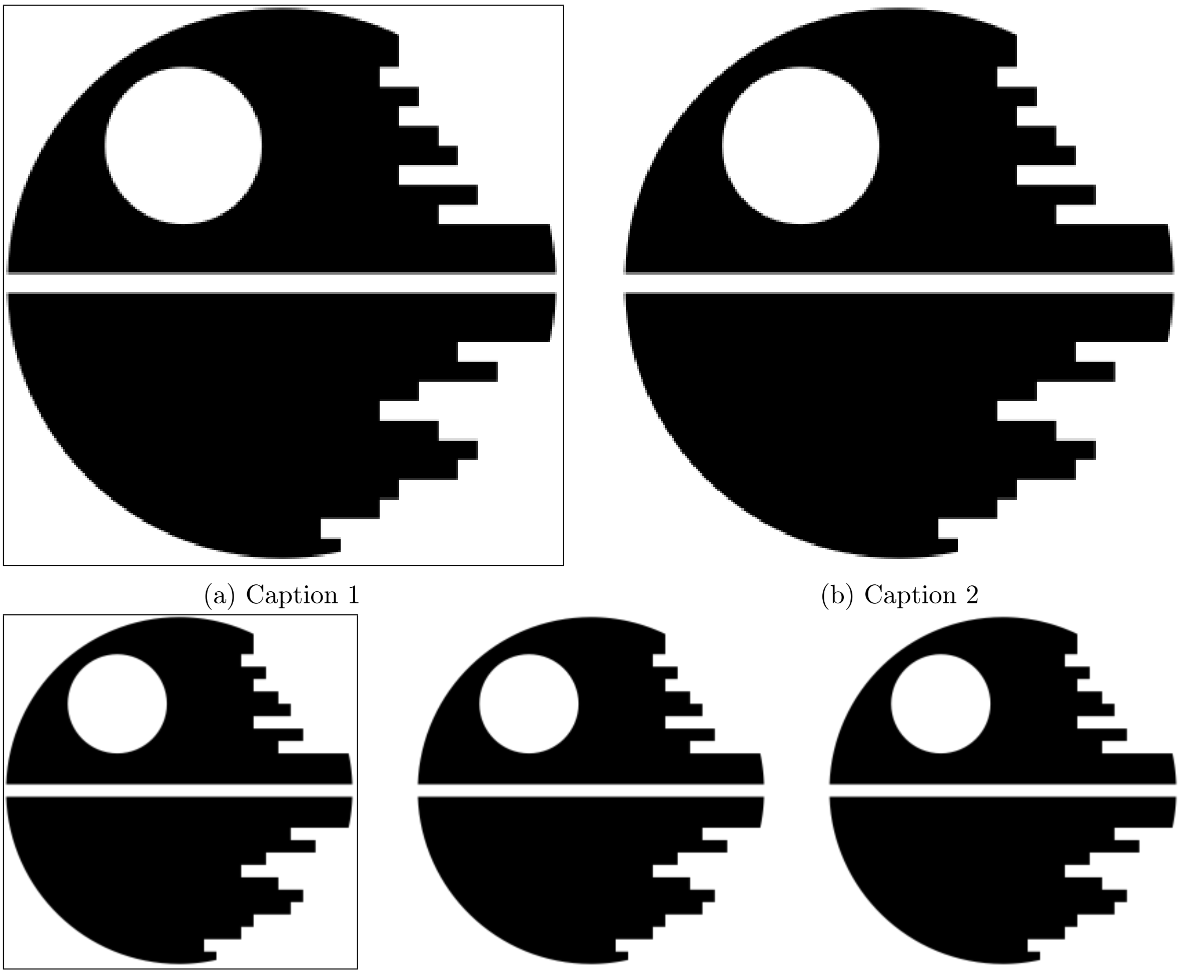
$$\leftarrow\leftarrow\rightarrow\rightarrow\mapsto\Leftarrow\Rightarrow\Longleftrightarrow \iff \overrightarrow{AB} \rightrightarrows$$

$$[\,][\,]\{\}\langle\rangle|||\|\|\lfloor\rfloor|\|$$

$$\ell\emptyset\,\mathrm{Re}\,\mathrm{Im}\,\perp\top\angle\square$$

$$\sim\approx\backsim\propto\risingdotseq\fallingdotseq$$

$$\hbar\square\blacksquare\bigstar\varnothing$$



(a) Caption 1

(b) Caption 2

(c) Caption 3

(d) Caption 4

(e) Caption 5

Figure 2: The caption. *Top*: top. *Bottom*: bottom.

$$\left\| \begin{matrix} 1 & 2 \\ 3 & 4 \end{matrix} \right\| = \left| \oint_A^B f(z)\,\mathrm{d}z \right| = \frac{\mathrm{d}u}{\mathrm{d}x} = \mathcal{F}\mathfrak{F} = \frac{\sum a_{ij}}{\sum b_{ij}} = \sum_{\text{big long thing}} a_k = \frac{\mathbb{P}\left\{ \dfrac{X}{\mathbb{E}X} \leqslant \varepsilon \right\}}{\Pr\{\mathrm{Poisson}(\lambda = 3) > 5\}} \tag{3}$$

$$\partial \cdot \frac{\partial}{\partial x} \cdot \frac{\partial f}{\partial x} \cdot \frac{\partial^3 f}{\partial x^3} \cdot \frac{\partial}{\partial x} \frac{x^2+1}{x^3+1} \bigg|_{x=0} = \mathrm{d} \cdot \frac{\mathrm{d}}{\mathrm{d}x} \cdot \frac{\mathrm{d}f}{\mathrm{d}x} \cdot \frac{\mathrm{d}^3 f}{\mathrm{d}x^3} \cdot \frac{\mathrm{d}}{\mathrm{d}x} \frac{x^2+1}{x^3+1} \bigg|_{x=0} \tag{4}$$

$$\bar{a} \quad A \overset{*}{\approx} B \quad \sum_{\substack{0<i<n \\ j \neq i}} f(i) \quad \sqrt[3]{P(x)+Q(x)} \quad \frac{3}{8}\tfrac{3}{8}\frac{3}{8}3/8 \quad x = x \quad x = x \tag{5}$$

Math fonts

$$\mathrm{ABCDEFabcdef} \quad \text{(mathrm)}$$
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$$\mathsf{ABCDEFabcdef} \quad \text{(mathsf)}$$
$$\mathtt{ABCDEFabcdef} \quad \text{(mathtt)}$$
$$\mathit{ABCDEFabcdef} \quad \text{(mathit)}$$
$$\mathcal{ABCDEF}\dashv\lfloor\rfloor\lceil\rceil\{ \quad \text{(mathcal)}$$
$$\mathnormal{ABCDEFabcdef} \quad \text{(mathnormal)}$$
$$\boldsymbol{ABCabc\Gamma\Omega\Xi\gamma\omega\xi} \quad \text{(boldsymbol)}$$
$$\mathscr{ABCDEF} \quad \text{(mathscr)}$$
$$\mathfrak{ABCDEFabcdef} \quad \text{(mathfrak)}$$
$$\mathbb{ABCDEF}\eth\mho\nVdash\nvDash\nVDash\ntrianglerighteq\ntrianglelefteq \quad \text{(mathbb)}$$
$$\mathbbm{ABCDEFabcdef12} \quad \text{(mathbbm)}$$

Text fonts

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General formatting

- x y z
- “quote”
- Ph. D.
- Ph. D.
- Ph. D.
- A. B
- A. B
- `yo␣wazup`

3 Bibliography

Abadi, M., Barham, P., Chen, J., Chen, Z., Davis, A., Dean, J., ... Zheng, X. (2016). Tensorflow: A system for large-scale machine learning. In *12th USENIX symposium on operating systems design and implementation (OSDI 16)* (pp. 265–283). Savannah, GA: USENIX Association. Retrieved from https://www.usenix.org/conference/osdi16/technical-sessions/presentation/abadi