

Title

Author*
email1

Author2[†]
email2

Contents

1	Essential	1
2	Other CO₂	2
3	Bibliography	6

1 Essential

```
\todo
```

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

$$= \frac{1}{2\pi i} \oint_{\Gamma} \frac{(1+z)^n}{z^{k+1}} dz \quad (2)$$

Table 1: Caption

A	\mathbb{R}^1
a	b
c	d
e	f
g	h

*thanks

[†]thanks

¹footnotemark–footnotetext

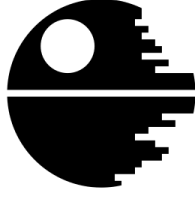
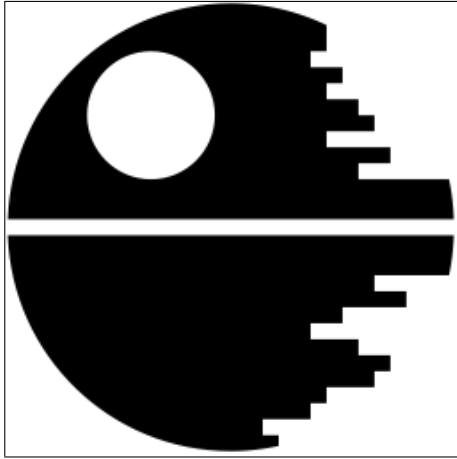


Figure 1: Caption

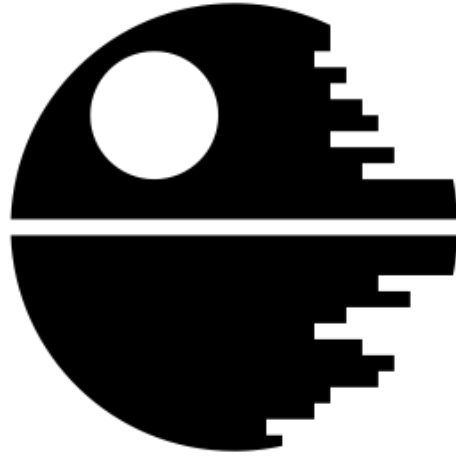
TensorFlow² (Abadi et al., 2016), Abadi et al. (2016).
 Section 1 on a page 1, table 1, figure 1, equations (1) and (2).

2 Other CO₂

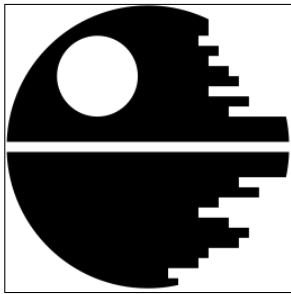
Subfigures



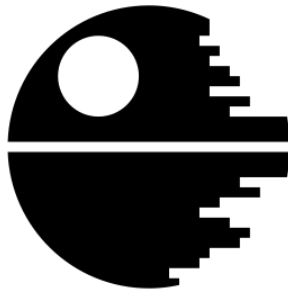
(a) Caption 1



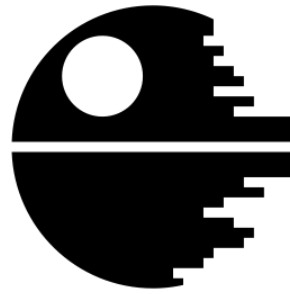
(b) Caption 2



(c) Caption 3



(d) Caption 4



(e) Caption 5

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

²footnote

Proof

The proof is easy and is left to a reader. □

Test math

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

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

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

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

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

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

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

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

$$\not\propto\not\subset\not\subseteq$$

$$\equiv\dot{=}\approx\subset\supset\exists||\neq\neq$$

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

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

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

$$\overleftarrow{\leftarrow}\overleftarrow{\rightarrow}\overrightarrow{\rightarrow}\overrightarrow{\leftarrow}\overleftrightarrow{\leftarrow}\overleftrightarrow{\rightarrow}\overleftrightarrow{\leftarrow}\overleftrightarrow{\rightarrow}\overrightarrow{AB}\rightrightarrows$$

$$\square\square\{\}\langle\rangle||||||\sqcup|||$$

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

$$\sim\approx\smile\alpha\dot{=}\ddot{=}$$

$$\hbar\square\blacksquare\star\emptyset$$

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

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

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

Math fonts

ABCDEFabcdef	(mathrm)
ABCDEFabcdef	(mathbf)
ABCDEFabcdef	(mathsf)
ABCDEFabcdef	(mathtt)
<i>ABCDEFabcdef</i>	(mathit)
$\mathcal{ABCDEF}\neg\sqcup\sqcap\{\}$	(mathcal)
$\textit{ABCDEFabcdef}$	(mathnormal)
<i>ABCabcΓΩΞγωξ</i>	(boldsymbol)
\mathscr{ABCDEF}	(mathscr)
$\mathfrak{ABCDEF}\mathfrak{abcdef}$	(mathfrak)
ABCDEF\O\K\# \cancel{Z} \not\subset	(mathbb)
ABCDEFabcdef12	(mathbbm)

Text fonts

ABCDEFabcdef ABCDEFabcdef ABCDEFabcdef
ABCDEFabcdef **ABCDEFabcdef**
ABCDEFabcdef *ABCDEFabcdef* *ABCDEFabcdef* ABCDEFABCDEF
ABCDEFabcdef *ABCDEFabcdef*

General formatting

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

Semantic

$$\text{RMSPROP ADAM pmatrix} \tag{6}$$

$$a \times \alpha \mathbf{A} \mathbf{A} \tag{7}$$

$$\text{NOT gate CNOT gate} \tag{8}$$

$$\mathcal{X} \mathcal{Y} \mathcal{D} \tag{9}$$

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>