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Your Presentation Title
uchicago Beamer Theme

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- Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem.

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   GPT3-derived Models DALLE & CLIP

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- Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

- Results accessible at
  https://scholar.google.com

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- Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante.

Microsoft® Windows	Apple® Mac OS
Windows-Kernel	Unix-like
Arm, Intel	Intel, Apple Silicon
Sudden update	Stable update
Less security	More security
...	...

Algorithms

Non-Numbering Formula

$$J(\theta) = \mathbb{E}_{\pi_\theta}[G_t] = \sum_{s \in \mathcal{S}} d^\pi(s) V^\pi(s) = \sum_{s \in \mathcal{S}} d^\pi(s) \sum_{a \in \mathcal{A}} \pi_\theta(a|s) Q^\pi(s, a)$$

Multi-Row Formula[1]

$$Q_{\text{target}} = r + \gamma Q^\pi(s', \pi_\theta(s') + \epsilon) \tag{1}$$
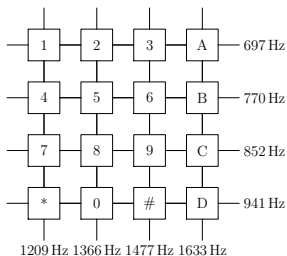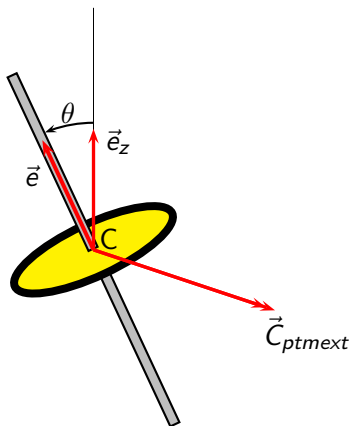$$\epsilon \sim \text{clip}(\mathcal{N}(0, \sigma), -c, c)$$

---

[1]If text appears in the formulause \mathrm{} or \text{} instead

Numbered Multi-line Formula

$$
\begin{aligned}
A = \lim_{n \to \infty} \Delta x \Big(a^2 &+ \left(a^2 + 2a\Delta x + (\Delta x)^2 \right) \\
&+ \left(a^2 + 2 \cdot 2a\Delta x + 2^2 (\Delta x)^2 \right) \\
&+ \left(a^2 + 2 \cdot 3a\Delta x + 3^2 (\Delta x)^2 \right) \\
&+ \ldots \\
&+ \left(a^2 + 2 \cdot (n-1)a\Delta x + (n-1)^2 (\Delta x)^2 \right) \Big) \\
&= \frac{1}{3} \left(b^3 - a^3 \right) \quad (2)
\end{aligned}
$$

Graphics and Columns

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LᴬTEX Common Commands

Commands

\chapter	\section	\subsection	\paragraph
chapter	section	sub-section	paragraph
\centering	\emph	\verb	\url
center	emphasize	original	hyperlink
\footnote	\item	\caption	\includegraphics
footnote	list item	caption	insert image
\label	\cite	\ref	
label	citation	refer	

Environment

table	figure	equation
table	figure	formula
itemize	enumerate	description
non-numbering item	numbering item	description

LaTeX Examples of environmental commands

```latex
1  \begin{itemize}
2    \item A \item B
3    \item C
4    \begin{itemize}
5      \item C-1
6    \end{itemize}
7  \end{itemize}
```

- A
- B
- C
  - C-1

LaTeX Examples of environmental commands

```
1  \begin{itemize}
2    \item A \item B
3    \item C
4    \begin{itemize}
5      \item C-1
6    \end{itemize}
7  \end{itemize}
```

- A
- B
- C
  - C-1

```
1  \begin{enumerate}
2    \item A \item B
3    \item C
4    \begin{itemize}
5      \item[n+e]
6    \end{itemize}
7  \end{enumerate}
```

❶ A
❷ B
❸ C
  n+e

LaTeX Formulas

```
1  $V = \frac{4}{3}\pi r^3$
2
3  \[
4    V = \frac{4}{3}\pi r^3
5  \]
6
7  \begin{equation}
8    \label{eq:vsphere}
9    V = \frac{4}{3}\pi r^3
10 \end{equation}
```

$V = \frac{4}{3}\pi r^3$

$$V = \frac{4}{3}\pi r^3$$

$$V = \frac{4}{3}\pi r^3 \qquad (3)$$

- more information here

```
 1  \begin{table}[htbp]
 2    \caption{numbers & meaning}
 3    \label{tab:number}
 4    \centering
 5    \begin{tabular}{cl}
 6      \toprule
 7      number & meaning \\
 8      \midrule
 9      1 & 4.0 \\
10      2 & 3.7 \\
11      \bottomrule
12    \end{tabular}
13  \end{table}
```

Table 1: numbers & meaning

numbers	meaning
1	4.0
2	3.7

formula (3) at previous slide and Table 1

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- Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetuer adipiscing elit.

- In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat.

- Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam.

- Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi.

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[1] M. Xu, "Ritsumeikan beamer theme," in *How to write beautiful LaTeX*, 2022.

Thank You