

Contents

1	Math	2
2	Complexity Classes	3
A	About this document	4

1 Math

Math font styles	
A \mathcal{A} \mathscr{A} \mathfrak{A} \mathbb{A}	<pre> \begin{align*} &\&A\\ &\&\mathord{A} \quad \backslash \ % \ default &\mathit{A} \quad \backslash \ % \ default &\mathrm{A} \quad \backslash &\mathcal{A} \quad \backslash &\mathscr{A} \quad \backslash &\mathfrak{A} \quad \backslash &\mathbb{A} \end{align*} </pre>
Numbers	
$\mathbb{N} \subseteq \mathbb{Z} := \mathbb{R} \setminus \mathbb{Q}$ <p>But also works in text like \mathbb{Q}, \mathbb{R} and \mathbb{C}.</p> <p>$\mathbb{Q}x \forall y. x + 1 * y^{-1} \neq b$</p>	<pre> \[\mathbb{N} \subseteq \mathbb{Z} \coloneqq \mathbb{R} \setminus \mathbb{Q} \contra\] </pre> <p>But also works in text like \mathbb{Q}, \mathbb{R} and \mathbb{C}.</p> <p>$\mathbb{Q}x \forall y. x + \mathbb{1} * y^{-1} \neq b$</p>

2 Complexity Classes

Complexity Classes

P, NP and APX are some complexity classes. Clever spacing (NP-complete), inline math mode ($P \subseteq NP$) and display style

$$P \neq \text{EXPTIME}$$

are supported.

There is also

- $k\text{EXPTIME}$
- $Nk\text{EXPTIME}$
- 4EXPTIME
- $N4\text{EXPTIME}$
- $k\text{EXPSPACE}$
- 5EXPSPACE

`\PTime`, `\NP` and `\complclass{APX}` are some complexity classes. Clever spacing (`\NP-complete`), inline math mode ($\PTime \subseteq \NP$) and display style `\[\PTime \neq \ExpTime \]` are supported.

There is also

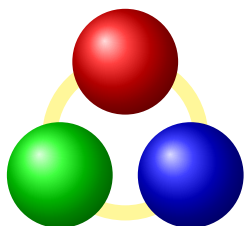
```
\begin{itemize}
  \item \kExpTime
  \item \NkExpTime
  \item \kExpTime[4]
  \item \NkExpTime[4]
  \item \kExpSpace
  \item \kExpSpace[5]
\end{itemize}
```

A About this document

Usage of `latex-example` (for this document only).

```
\begin{latex-example}[lefthand width=3.5cm]{Test123}
\begin{tikzpicture}
\path[fill=yellow!50!white] (0,0) circle (11mm);
\path[fill=white] (0,0) circle (9mm);
\foreach \w/\c in {90/red,210/green,330/blue}
{\path[shading=ball,ball color=\c] (\w:1cm) circle (7mm);}
\end{tikzpicture}
\end{latex-example}
```

Test123



```
\begin{tikzpicture}

\path[fill=yellow!50!white]
(0,0) circle (11mm);
\path[fill=white] (0,0)
circle (9mm);
\foreach \w/\c in
{90/red,210/green,330/blue}

{\path[shading=ball,ball
color=\c] (\w:1cm) circle
(7mm);}

\end{tikzpicture}
```