

LaTeX syntax

CandyCrystal

October 16, 2019

Contents

1	Math	3
1.1	Basic symbols	3
1.1.1	Core basics	3
1.1.2	Multiplication symbol	3
1.1.3	Exponents	3
1.1.4	Subscripts	3
1.1.5	Fractions	3
1.1.6	Square root	4
1.2	Equations	4
2	Tables	4
2.1	Basic table & cell alignment	4
2.2	Multicolumn cell	4
2.3	Multirow cells	5
3	Lists	5
3.1	Basic list	5
3.2	Custom list symbols	5
3.3	Underlists	6
4	Images	6
5		6

1 Math

In this section you will need the following packages:

- amsmath
- cancel

1.1 Basic symbols

1.1.1 Core basics

single line math

```
\[ *math content* \]
```

Spacing Input:

```
\[ | \, | \: | \; | \quad | \qquad | \]
```

Output:

| | | | | |

1.1.2 Multiplication symbol

Input code:

```
\[ 1\cdot1 \]
```

Output:

1 · 1

1.1.3 Exponents

Input code:

```
\[ 1^2 \quad 1^{\{12345\}} \]
```

Output:

1² 1¹²³⁴⁵

1.1.4 Subscripts

Input code:

```
\[ 1_2 \quad 1_{\{12345\}} \]
```

Output:

1₂ 1₁₂₃₄₅

1.1.5 Fractions

Input code:

```
\[ \frac{1}{2} \]
```

Output:

$$\frac{1}{2}$$

1.1.6 Square root

Input code:

```
\[ \sqrt[3]{2} \]
```

Output:

$$\sqrt[3]{2}$$

1.2 Equations

2 Tables

In this section you will need the following package:

- multirow

2.1 Basic table & cell alignment

Input code:

```
\begin{center}
  \begin{tabular}{|l|c|r}
    \hline
    Left aligned text&Centered text&Right aligned text\\
    \hline
    Cell&Cell&Cell
    \hline
  \end{tabular}
\end{center}
```

Output:

Left aligned text	Centered text	Right aligned text
Cell	Cell	Cell

2.2 Multicolumn cell

Cell	Multicolumn cell	
Cell	Cell	Cell

```
\begin{center}
  \begin{tabular}{|c|c|c|}
    \hline
    Cell&\multicolumn{2}{c|}{Multicolumn cell}\\
    \hline
    Cell&Cell&Cell\\
    \hline
  \end{tabular}
\end{center}
```

2.3 Multirow cells

Input code:

```
\begin{center}
  \begin{tabular}{|c|c|c|}
    \hline
    Cell&Cell&\multirow{2}{*}{Multirow cell}\\
    \cline{1-2}
    Cell&Cell&\\
    \hline
  \end{tabular}
\end{center}
```

Output:

Cell	Cell	Multirow cell
Cell	Cell	

3 Lists

3.1 Basic list

Input code:

```
\begin{itemize}
  \item Point
  \item Point
  \item Point
\end{itemize}
```

Output

- Point
- Point
- Point

3.2 Custom list symbols

Input code:

```
\begin{itemize}
  \item[-] Minus point
  \item[+] Plus point
  \item[!] Exclamation point
\end{itemize}
```

Output:

- Minus point
- + Plus point
- ! Exclamation point

3.3 Underlists

Input code:

```
\begin{itemize}
  \item Point
  \item Point
  \item Point
  \begin{itemize}
    \item Subpoint
    \item Subpoint
    \item Subpoint
  \end{itemize}
\end{itemize}
```

Output:

- Point
- Point
- Point
 - Subpoint
 - Subpoint
 - Subpoint

4 Images

5