

Latex for org-(ab)users

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list of all latex symbols

1 Some symbols

σ	<code>\sigma</code>
π	<code>\pi</code>
\Join	<code>\Join</code>
\in	<code>\in</code>
\notin	<code>\notin</code>
\wedge	<code>\wedge</code>
\vee	<code>\vee</code>
\exists	<code>\exists</code>
\nexists	<code>\nexists</code>
\forall	<code>\forall</code>
\rightarrow	<code>\rightarrow</code>
\leftarrow	<code>\leftarrow</code>

2 Arguments

Sometimes you need to give arguments to functions. In general we use `_` for lower indexes, `^` for exponents and `()` for arguments. When you have multiple arguments in the index or the exponent put them together with `{}`.

For example:

\log_x^2	<code>\log_x^2</code>
$\sigma_{A,B}(\pi_C R)$	<code>\sigma_{A,B}(\pi_C R)</code>

3 Quoting

Latex has some key characters that have a special meaning. If you want to insert those characters you have to quote them with “`\`”. So for example.

$$\pi_{\{A,B\}} \quad \backslash\mathrm{pi}_{\{\backslash A,B\}}$$

Here one `{` is quoted and will be inserted as it is and the other is used to join the arguments.

4 Equations

Things are getting a bit more complicated here. To get an equation system like this you can just paste the code below wherever in your org-file.

$$\begin{cases} 1 & \text{if } x \leq 0 \\ \perp & \text{otherwise} \end{cases}$$

```
\left \{
\begin{array}{ll}
\mbox{1 if } x \leq 0 \\
\bot \mbox{ otherwise}
\end{array}
\right
```