

# Hello Simtex!

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## 1 This is a section: Math

This program is planned to support the **most** *basic* L<sup>A</sup>T<sub>E</sub>X features, you can use *inline math* with  $a + b = c^2$ . And this will be the *paragraph math*:

$$\oint \mathbf{B} \cdot d\mathbf{A} = 0 \quad (1)$$

And this is for *align*:

$$\sum_i \vec{B}_i \cdot \vec{\ell}_i = \mu_0 \left( I + \varepsilon_0 \frac{\Delta E \cdot A}{\Delta t} \right) \quad (2)$$

$$\sum_i \vec{E}_i \cdot \vec{\ell}_i = - \frac{\Delta B \cdot A}{\Delta t} \quad (3)$$

$$\sum_i E_i \cdot A_i = \frac{Q}{\varepsilon_0} \quad (4)$$

$$\sum_i B_i \cdot A_i = 0 \quad (5)$$

### 1.1 This is subsection: Images

You can also *insert images* with:

or by:

`\img src="/sample-image.jpeg" align="center"`

#### 1.1.1 This is subsubsection: Listings

The *code blocks* below presents the source code of the converted markdown file:

```
1 # This is a section: Math
2
3 This program is planned to support the most _basic_ LATEX features, you can use !inline math! with
   $a + b = c^2$. And this will be the !paragraph math!:
4
5 $$\oint \boldsymbol{B} \cdot d \boldsymbol{A} = 0$$
6
7 And this is for !align!:
8
9 $$
10 \sum_{i} \vec{B}_{i} \cdot \vec{\ell}_{i} = \mu_{0} \bigg( I + \varepsilon_{0} \frac{\Delta E \cdot A}{\Delta t} \bigg)
11 \sum_{i} \vec{E}_{i} \cdot \vec{\ell}_{i} = - \frac{\Delta B \cdot A}{\Delta t}
12 \sum_{i} E_{i} \cdot A_{i} = \frac{Q}{\varepsilon_{0}}
13 \sum_{i} B_{i} \cdot A_{i} = 0
```



Figure 1: figure

```

14 $$
15
16 ## This is subsection: Images
17
18 You can also _insert_ images with:
19
20 ![figure](./sample_image.jpeg)
21
22 or by:
23
24 
25
26 ### This is subsubsection: Listings
27
28 The code blocks below presents the source code of the converted markdown file:
29
30 \'\''
31 [RECURSION]
32 \'\''
33
34 #### This is paragraph
35
36 Check [example.tex](./example.tex) for the LaTeX, rendition of this markdown file. The output of the
    command is always placed in './out/' by default.

```

**This is paragraph** Check [./example.tex](#) for the **LaTeX**, rendition of this markdown file. The output of the command is always placed in `./out/` by **default**.