

L^AT_EX Tutorial

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Figure 1: This is my first figure.

1 My first section

This is my first L^AT_EX document. And this is my first figure reference (Fig. 1).
This is my first table (Tab. 1).

We can make an inline equation with $\$ arg \$$, but the equation will not have a number associated with it. e.g.

$$a = \frac{1}{N}$$

We can add an equation using the equation environment (e.g. eq. 1).

```
\begin{equation}
A\mathbf{x} = \mathbf{y}
\label{eqn:equation}
\end{equation}
```

$$A\mathbf{x} = \mathbf{y} \tag{1}$$

We could also make an equation using the eqnarray environment (e.g. eq. 2).

```
\begin{eqnarray}
\nonumber
A\mathbf{x} = \mathbf{y} \quad \backslash \backslash
while \ \ \mathbf{x}_{i} \ge 0
\label{eqn:eqnarray}
\end{eqnarray}
```

$$\begin{array}{l} A\mathbf{x} = \mathbf{y} \\ while \ x_i \ge 0 \end{array} \tag{2}$$

$a \approx b$	$a \neq b$	$a = \int_{t_0}^{t_1} \frac{g(t)}{t} dt$
column 1	column 2	column 3

Table 1: I just made my first table!

2 Adios

... and that's it.