

# Sample Document

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## 1 Rename Command

$$a = b \tag{1}$$

$$c = d$$

$$e = \begin{cases} f & \text{if } g = h \\ i & \text{if } j = k \end{cases} \tag{2}$$
$$l = m$$

A large, stylized logo for LATEX, with the letters in a serif font. The 'L' and 'T' are particularly large and prominent.

Figure 1: Sample Figure

Sample figure is shown in Figure 1.

## 2 Ask Wolfram Alpha

Select a line. Then, press **Ctrl + Shift + P** and type `askWolframAlpha`.

$$\sum_{n=1}^{\infty} \frac{1}{n^2}$$
$$\int_{-\infty}^{\infty} e^{-x^2} dx$$
$$\left(1 + \left(1 + (1+x)^2\right)^2\right)$$

The Wolfram Alpha page with adjusted expressions will open as in Figure 2.

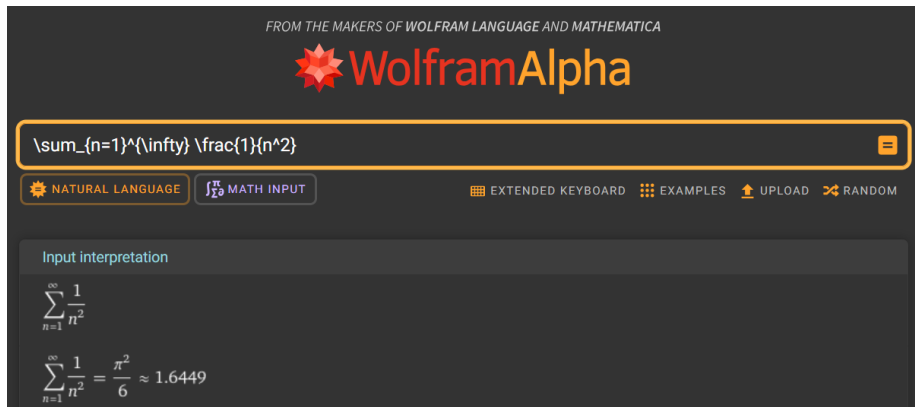


Figure 2: Wolfram Alpha

### 3 Exception Handling

Second-Order Optimization. This hyphen is intentional. We will ignore it if exception is registered.

### 4 Go to Label Definition (F12)

This feature allows you to jump to the corresponding `\label` definition when you press F12 on `\ref`, `\cref`, or `\Cref` commands.

$$\min_x \|Ax - b\|_2^2 \quad (3)$$

$$E = mc^2 \quad (4)$$

Here are some examples:

- Press F12 on `\ref{prob:example1}` to jump: Prob 3
- Press F12 on `\cref{eq:example2}` to jump: eq. (4)
- Press F12 on `\Cref{fig:1}` to jump to Figure 1: Figure 1

The feature ignores labels inside comments and jumps to the first non-commented occurrence.