

# JupyterLab L<sup>A</sup>T<sub>E</sub>X

test  $5_{3_4+4_3+5^4}$

## 1 Introduction

This is a sample document demonstrating the ability to live-edit L<sup>A</sup>T<sub>E</sub>X documents in JupyterLab.

Right-click on this document, and select "Show LaTeX Preview". A new panel should open up on the right with the PDF that is generated by this document. If there are any errors in the document, an error panel should open below.

Test

We can write equations:

$$\rho \left( \frac{\partial \mathbf{u}}{\partial t} + \mathbf{u} \cdot \nabla \mathbf{u} \right) = -\nabla P + \eta \nabla^2 \mathbf{u} + \rho \mathbf{g}. \quad (1)$$

And we can write tables:

1	2	3
4	5	6
7	8	9

Right-click on this document, and select "Show LaTeX Preview". A new panel should open up on the right with the PDF that is generated by this document.

If there are any errors in the document, an error panel should open below.

We can reference equations by their numbers, i.e. Equation (??).

Hello We can reference equations by their numbers, i.e. Equation (??).

### 1.1 We can add new subsections

And we can include images, such as the Jupyter logo:



You can also use SyncTeX by typing (CMD)/CTRL+ (SHIFT)+X.