

Hello Latex

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1 Getting Started

Hello Latex! Today I am learning L^AT_EX. L^AT_EX is a great program for writing math. I can test Vietnamese language "Học vui thôi"

I can write in line math such as $a^2 + b^2 = c^2$. I can also give equations their own space:

$$\gamma^2 + \theta^2 = \omega^2 \quad (1)$$

"*Maxwell's equation*" are named for James Clark Maxwell and are as follow:

$$\vec{\nabla} \cdot \vec{E} = \frac{\rho}{\epsilon_0} \quad \text{Gauss's Law} \quad (2)$$

$$\vec{\nabla} \cdot \vec{B} = 0 \quad \text{Gauss's Law for magnetism} \quad (3)$$

Equations 2 and 3 are some of the most important in physics.

2 What about Matrix Equations

$$\begin{pmatrix} a_{11} & a_{12} & \dots & a_{1n} \\ a_{21} & a_{22} & \dots & a_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \dots & ann \end{pmatrix} \begin{bmatrix} v_1 \\ v_2 \\ \vdots \\ v_n \end{bmatrix} = \begin{matrix} w_1 \\ w_2 \\ \vdots \\ w_n \end{matrix}$$

3 Tables and Figures

Creating a Table is not unlike creating a matrix:

Tables 1: This is a table that show how to create lines as well as different justifications

x	1	2	3
f(x)	4	8	12
f(X)	4	8	123



Figure 1: HCM University of science

4 Bibliography

You will probably want references in your document so that you can cite articles like [1,2,3]

Reference

- [1] M. Frenkel, M. Avellan, and Z. Guo, "Fine temperature measurement and fabrication of on-chip whispering-gallery mode micro-sensor," in ASME 2013 4th International Conference on Micro/Nanoscale Heat and Mass Transfer, MNHMT 2013, American Society of Mechanical Engineers (ASME), 2013. Conference Proceeding.
- [2] M. Frenkel, M. Avellan, and Z. Guo, "Optical whispering-gallery mode phenomenon as a composite sensor with application to direct on-chip thermal sensing," in ASME 2013 Heat Transfer Summer Conference Collocated with the ASME 2013 7th Int. Conf. on Energy Sustainability and the ASME 2013, vol. 4, 2013. Conference Proceedings.
- [3] M. Frenkel, M. Avellan, and Z. Guo, "Temperature sensing of joule heating inside an optical Whispering-gallery mode micro-annulus," in ASME 2012 Heat Transfer Summer Conference Collocated with the ASME 2012 Fluids Engineering Division Summer Meeting and the ASME 2012 10th Int. Conf. on Nanochannels, Microchannel and Minichannels, HT 2012, vol. 2, pp. 823-826, 2012. Conference Proceedings