

My Report

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Abstract

Here goes text

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1. INTRODUCTION

Here is some text with math $x^2 + y^2 = x^2$, and also some display math;

$$\begin{aligned} (A \otimes B)(x_j \otimes y_q) &= Ax_j \otimes By_q \\ &= \left(\sum_i \alpha_{ij} x_i \right) \otimes \left(\sum_p \beta_{pq} y_q \right). \end{aligned}$$

Next we have a numbered equation:

$$\sum_i \sum_p \alpha_{ij} \beta_{pq} (x_i \otimes y_p). \quad (1.0.1)$$

§ 1.1. A subsection. A subsection with some text as well, and a reference [1] (to an article) as well as to an equation: (1.0.1). We can also reference a section as follows: see section 1.

Theorem 1.1 (Very important theorem). *This is an important theorem! Actually, it's Pythagoras theorem:*

$$a^2 + b^2 = c^2$$

Which we of course immediately recognize!

Theorem 1.1 can be referenced later.

2. THE FINAL SECTION

Here is even more text!

REFERENCES

- [1] Portugal, R. 2022. Basic Quantum Algorithms. *arXiv:2201.10574 [quant-ph]*. (2022).