

Project Report

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Abstract

This is a report abstract

Contents

1	Introduction	3
2	Theory	4
3	Equations	4
4	Conclusions	4
5	New	4

This is my first latex document " hello world "

1 Introduction

Intro is here Let \mathbf{u}, \mathbf{v} and \mathbf{w} be three vectors in \mathbf{R}^3 . The volume V of the parallelepiped with corners at the points $\mathbf{0}, \mathbf{u}, \mathbf{v}, \mathbf{w}, \mathbf{u} + \mathbf{v}, \mathbf{u} + \mathbf{w}, \mathbf{v} + \mathbf{w}$ and $\mathbf{u} + \mathbf{v} + \mathbf{w}$ is given by the formula

$$V = (\mathbf{u} \times \mathbf{v}) \cdot \mathbf{w}.$$

The roots of a quadratic polynomial $ax^2 + bx + c$ with $a \neq 0$ are given by the formula

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$f(x) = 2x + \frac{2x - 7}{x^2 + 4}$$



2 Theory

theory is here



3 Equations

$$x1 = \sin x() \quad (1)$$

$$x2 = \cos(x) \quad (2)$$

$$f(x) = x^2$$

$g(x) = x^3$ and we have $h(x) = x^4$ wis9

$$f(x_1, x_2, \dots, x_n) = x_1^2 + x_2^2 + \dots + x_n^2$$

4 Conclusions

Here is the conclusion Equation 1 is for finding sine Equation 2 is for finding cosine

And some mine equations are:

The roots of the cubic polynomial of the form $x^3 - 3px - 2q$ are given by the formula

$$f(x) = \sqrt[3]{q + \sqrt{q^2 - p^3}} + \sqrt[3]{q - \sqrt{q^2}}$$

5 New

$$\lim_{x \rightarrow +\infty} \frac{3x^2 + 7x^3}{x^2 + 5x^4} = 3.$$

$$\sum_{k=1}^nk^2=\frac{1}{2}n(n+1).$$

$$\int_a^bf(x)\,dx.$$

$$\int_0^{+\infty}x^ne^{-x}\,dx=n!.$$

$$\int \cos\theta\,d\theta = \sin\theta.$$

$$\int_{x^2+y^2\leq R^2}f(x,y)\,dx\,dy=\int_{\theta=0}^{2\pi}\int_{r=0}^Rf(r\cos\theta,r\sin\theta)r\,dr\,d\theta.$$

$$\int_0^R\frac{2x\,dx}{1+x^2}=\log(1+R^2).$$

$$5\\$$