

Hoge Theory

Shena:

<https://github.com/Shena4746>

August 16, 2023

Contents

Preface	ii
Notations	iii
1 All We Need Is Love.	1
1.1 Introduction	1
References	2

Preface

Hello World! Read [\[1\]](#)!

Shena June 16, 2122.

Notations

- ◇ \neg : negation.
- ◇ \vee : disjunction.
- ◇ \wedge : conjunction.

Chapter 1

All We Need Is Love.

1.1 Introduction

Theorem 1.1.1. *The following equality holds.*

$$\left(\int_0^\infty \frac{\sin x}{\sqrt{x}} dx\right)^2 = \sum_{k=0}^\infty \frac{(2k)!}{2^{2k}(k!)^2} \frac{1}{2k+1} = \prod_{k=1}^\infty \frac{4k^2}{4k^2-1} = \frac{\pi}{2}.$$

Proof. Write a clear proof.

□

□

Remark 1.1.2. Some comments.

◁

Bibliography

- [1] Shena. *Stochastic Fuga Theory*. 1st. OMG Press, 2100. ISBN: 00000000000.