

Hoge Theory

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Preface

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

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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*. OMG Press, 2101.