Hoge Theory

Shena:
https://github.com/Shena4746

December 29, 2022

Contents

Preface

Hello World! Read [1]!

<div align="right">

Shena
June 16, 2122.

</div>

Notations

- ⋄ ¬ : negation.

- ⋄ ∨ : disjunction.

- ⋄ ∧ : 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.