

God and Mathematical Beauty II

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Abstract

We discovered an evidence of the existence of God as the mathematically beautiful equality of Gaussian integral.

1 Introduction

In the history of mathematics, many beautiful facts have been discovered (Dirac, 1940). Some IDers like us think it is the evidences of the existence of God and Salam gave an example (Salam, 2019). Below we will explain another example.

2 The Beautiful Equality and the Existence of God

It is true that

$$\int_{-\infty}^{\infty} e^{-x^2} dx = 2 \int_0^{\infty} e^{-x^2} dx = 2 \int_0^{\infty} \frac{1}{2} e^{-t} t^{-1/2} dt = \Gamma\left(\frac{1}{2}\right) = \sqrt{\pi}$$

therefore God exists.

References

- [1] DIRAC, Paul Adrian Maurice. XI.—The Relation between Mathematics and Physics. *Proceedings of the Royal Society of Edinburgh*, 1940, 59: 122-129.
- [2] SALAM, Johannes Abdus. God and Mathematical Beauty. *viXra preprint viXra:1908.0364*, 2019