The axiomatic deletion on the critical line

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Abstract

We use the axiomatic method to reduce the number of zeros on the critical line. As the result, we obtain a disproof of the Riemann hypothesis.

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1 Introduction and results

In 1914, Hardy [Har14] proved that there are infinitely many zeros of $\zeta(1/2+it)$. In this paper, we disprove the Riemann hypothesis. Our mission is to filter the "tremors" on the critical line. We can show that the critical line is free from zeros. We denote L as the critical line.

Definition 1.1. A spiral curve of the Riemann zeta-function is called a ℓ-curve.

Theorem 1. *The critical line L is zero-free.*

Proof. Delete the center of ℓ-curve. Then the critical line L contains no zeros. □

References

[Har14] G. H. Hardy. Sur les zéros de la fonction $\zeta(s)$ de Riemann. *C. R. Acad. Sci. Paris*, 158:1012–1014, 1914.